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HAROLD LEGGETT, PH.D.
SECRETARY

State of Louisiana

DEPARTMENT OF ENVIRONMENTAL QUALITY ENVIRONMENTAL SERVICES

Certified Mail No.

Mr. Joe Rutkowski
Vice President
1915 Rexford Rd
Charlotte, NC 28211

RE: Part 70 Operating Permit
Consolidated Environmental Management Inc, Convent, St. James Parish, Louisiana

Dear Mr. Rutkowski:

This is to inform you that the permit for the above referenced facility has been approved under LAC 33:III.501. The permit is both a state preconstruction and Part 70 Operating Permit. The submittal was approved on the basis of the emissions reported and the approval in no way guarantees the design scheme presented will be capable of controlling the emissions as to the types and quantities stated. A new application must be submitted if the reported emissions are exceeded after operations begin. The synopsis, data sheets and conditions are attached herewith.

It will be considered a violation of the permit if all proposed control measures and/or equipment are not installed and properly operated and maintained as specified in the application.

Operation of this facility is hereby authorized under the terms and conditions of this permit. This authorization shall expire at midnight on the _____ of _____, 2013, unless a timely and complete renewal application has been submitted six months prior to expiration. Terms and conditions of this permit shall remain in effect until such time as the permitting authority takes final action on the application for permit renewal. The permit number and agency interest number cited above should be referenced in future correspondence regarding this facility.

Done this _____ day of _____, 2008.

Permit No.: 2560-00281-V0

Sincerely,

Cheryl Sonnier Nolan
Assistant Secretary
CSN:kcw
c: EPA Region VI

Activity No.: PER20080001
Agency Interest No. 157847

**AIR PERMIT BRIEFING SHEET
AIR PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

Consolidated Environmental Management Inc - Nucor Steel Louisiana

Agency Interest No.: 157847

Consolidated Environmental Management Inc

Convent, St. James Parish, Louisiana

I. Background

Consolidated Environmental Management Inc - Nucor Steel Louisiana is a proposed new Pig Iron facility which is expected to begin operation in 2010.

This is the Initial Part 70 operating permit for the facility.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Consolidated Environmental Management Inc on May 12, 2008, requesting a Part 70 operating permit. Additional information dated August 6, 2008, August 7, 2008, August 8, 2008, August 11, 2008, August 12, 2008, August 13, 2008, August 25, 2008, August 26, 2008, September 24, 2008 and October 1, 2008 were also received.

III. Description

The Nucor Steel Louisiana facility will use the blast furnace process to produce high quality pig iron. Nucor plans for the mill to reach an anticipated peak annual production rate of six million metric tonnes of iron. The basic raw materials for the pig iron production process are iron ore, in lump or pellet form; coal; sinter; and flux, which may be limestone, dolomite, or electric arc furnace slag. The facility will process the coal into metallurgical-grade coke for use in the blast furnaces at dedicated coke ovens on the site. The blast furnaces themselves are closed units with virtually no atmospheric emissions. The coke ovens follow the heat recovery design. A sinter plant will also be constructed at the site to recycle fine materials and dusts for increased raw material efficiency. By recovering heat from the coking process and combusting blast furnace gas in multiple boilers, the mill will produce enough electricity to completely provide for facility usage, and also provide some electrical export to the public utility grid.

The basic raw materials of the blast furnace process will be received by ship, barge, and rail, with additional supplies and materials being delivered by truck. Pig iron produced at the facility is stored on-site in outdoor storage piles. The iron is loaded onto trucks or rail cars and transported to the Mississippi River dock for shipment to customers by ship or barge. Coke fines from the coke handling areas will ship to customers, primarily by barge. Granulated slag and slag aggregate from the slag granulation area are shipped to customers by barge or rail. Pulverized slag from the slag granulation/milling area is shipped to customers, primarily by truck. Flue Das Desulfurization (FGD) dust from the coke plant and the sinter plant will be shipped to a landfill, primarily by truck. Additional products and materials may be shipped by other means as conditions warrant.

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In the coke production process, coal is subjected to high heat in a battery of ovens, with the object of thermally cracking the organic compounds in the coal, leaving only pure carbon, simple carbon compounds and remaining ash in the resulting coke. During the coking process, the volatile fractions of the coal are liberated, and are collectively known as coke oven gas. The gas is ducted from the oven chamber into the refractory oven walls and sole flues beneath the chamber, where combustion of the gas is completed. Nucor will utilize a non-recovery design of coke ovens, instead of the more typical byproduct recovery ovens. In either design, the process of liberating the volatile fraction of the coal is done in an oxygen-deprived atmosphere. In the non-recovery oven design, the coal volatiles are oxidized within the ovens by the addition of combustion air, and incinerated by the intense heat. The heat of combustion is released within the oven system, allowing non-recovery ovens to be self-sufficient with respect to energy. Non-recovery ovens are operated at a negative pressure, which results in no system leaks around oven doors and other interfaces.

The coke production process consists of the following production steps:

- Coal Preparation: Coal from the storage piles will be crushed, screened, wetted and mixed in the coal preparation area. The coal will then be pressed into the shape of a large brick by hydraulic presses. The coal bricks will then transported by a rail-mounted charging car to an oven for charging.
- Coal Charging: A pusher machine drives the coal into the oven.
- Coke Ovens: There will be two batteries of coke ovens with each battery containing 140 ovens. A coking cycle will last approximately fifty-four hours. Heat from the hot refractory in the oven begins the carbonization of the coal, and normally no external fuel is required once the ovens have reached operating temperature. The flue gas system routes the hot gases to heat recovery steam generators (HRSGs). These HRSGs produce high-pressure steam that will be routed to the steam turbine generators.
- Coke Pushing: At the end of each coking cycle, doors on the ends of the oven are opened and the hot coke is pushed from the oven by a ram which is extended from a pusher car. A mobile, flat quench car receives the hot coke. The quench car travels by rail, carrying the coke to the coke quench tower.
- Coke Quenching: The coke from the coke oven will be positioned beneath one of the coke quench towers. There is one quench tower for each coke oven battery. At the quench tower, the hot coke is deluged with water to prevent it from burning with exposure to the air. The hot steam generated from quenching is channeled by natural draft up the quench tower. Baffles in the tower structure help to retain as much of the cooling water as possible. Cooling water from the quenching process is collected beneath the quench car, filtered, and reused.
- Coke Handling and Storage: The quenched coke is discharged onto an inclined coke wharf to allow the coke to drain and cool before a conveyor belt carries it to a crushing

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and screening system. The sized coke is then transported by conveyor to the Stock House for storage. Emissions from the coke screening and crushing facilities are controlled by a baghouse.

The blast furnace is a counter-current reactor in the form of a tall, shaft-type furnace where iron-bearing materials (such as iron ore and sinter) are reduced to iron (pig iron or hot metal). A typical burden feed consists of iron ore pellets, coke, sinter, and flux materials such as limestone or dolomite. The burden material is charged into the top of the furnace and slowly descends as hot metal is removed from the bottom. Hot metal is withdrawn from the furnace and separated into molten iron and slag in the cast house.

Blast furnace gas is collected from off-takes at the top of the furnace. This gas contains a large fraction of carbon monoxide generated by the iron making reaction, as well as a sizeable fraction of hydrogen. After exiting the blast furnace, the blast furnace gas (topgas) passes through a cyclone dust catcher and dust removal system, followed by a wet scrubber system. Topgas is combusted in the hot blast stoves in order to heat the incoming blast air. Remaining topgas is burned as a fuel in power boilers to generate steam. The high pressure steam produced in the boilers will be used in steam turbines connected to electric generators. The electricity produced will likely be greater than the total site electrical requirements, and a portion may be transmitted to the public utility power grid.

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions (TPY)</u>
PM ₁₀	1,627.05
SO ₂	5,009.74
NO _x	4,049.88
CO	29,406.15
VOC	403.14

¹ Toxic VOC included in Totals	82.43
¹ Toxic Non-VOC Compounds	23.88

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¹LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Emissions
Ammonia	20.68
Antimony & Compounds	0.012
Arsenic & Compounds	0.124
Barium & Compounds	0.034
Beryllium & Compounds	0.003
Cadmium & Compounds	0.11
Chromium VI & Compounds	0.066
Cobalt & Compounds	< 0.01
Copper & Compounds	0.260
Lead & Compounds	0.375
Manganese & Compounds	0.044
Mercury & Compounds	0.260
Nickel & Compounds	0.094
Selenium & Compounds	0.028
Silver & Compounds	< 0.01
Zinc & Compounds	2.448
Acetonitrile	0.16
Acrolein	0.18
Acrylonitrile	0.79
Benzene	56.05
Bromomethane (Methyl Bromide)	0.99
Bromoform	< 0.01
Carbon Disulfide	0.03
Chlorobenzene	< 0.01
Chloroform	0.02
Chloromethane (Methyl Chloride)	1.36
Cumene	< 0.01
Cyanide	1.11
1,4-Dioxane	0.28
Dioxins/Furans	< 0.001
Ethyl Benzene	< 0.01
n-Hexane	0.46
Hydrochloric Acid	0.13
Hydrofluoric Acid	0.07
Methanol	0.14
Methyl-ethyl-ketone (2-Butanone)	0.34
Methyl-isobutyl ketone (4-Methyl-2-Pentanone)	0.31
Methyl Tert-Butyl Ether (MTBE)	< 0.01
Methylene Chloride (Dichloromethane)	1.32
Methyl Methacrylate	0.31

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LAC 33:III Chapter 51 Toxic Air Pollutants (TAPs):

Pollutant	Emissions
Naphthalene	0.52
PAHs (Polynuclear Aromatic Hydrocarbons)	5.21
Phenol	11.73
Styrene	0.10
1,1,2,2-Tetrachloroethane	0.14
Toluene	1.02
1,1,1-Trichloroethane	< 0.01
1,1,2-Trichloroethane	< 0.01
Vinyl Acetate	0.28
Xylene	0.04
Total TAPs	107.22

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, Prevention of Significant Deterioration (PSD), New Source Performance Standards (NSPS) and National Emission Standards for Hazardous Air Pollutants (NESHAP).

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51. Compliance with NESHAP 40 CFR 63 Subparts L, CCCCC and FFFFF has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2. This permit also constitutes approval of construction of a major source of HAPs in accordance with 40 CFR 63.5(c).

PM/PM₁₀, SO₂, NO_x, CO, and VOC emissions are above PSD significance levels and must undergo PSD analyses. The requirements of PSD-LA-740 are incorporated into this permit

V. Permit Shield

Per 40 CFR 70.6(f) and LAC 33:III.507.1, a permit shield has been determined for the proposed permit.

Emissions Source	Proposes to be Shielded From by compliance with ...	Was the Permit Shield Granted?
Coke Oven Charging	• Subpart L [40 CFR 63.303(d)(2)]	BACT for Coke Oven Charging. (BACT is determined to be Flat Car Charging – of Compacted Coke)	Yes

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VI. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VII. Public Notice

A notice requesting public comment on the permit was published in *The Advocate*, Baton Rouge, on <date>, 2008; and in the <local paper>, <local town>, on <date>, 2008. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on <date>. The draft permit was also submitted to US EPA Region VI on <date>. All comments will be considered prior to the final permit decision.

VIII. Effects on Ambient Air

Emissions associated with the proposed facility were reviewed by the Air Quality Assessment Division to ensure compliance with the NAAQS and AAS.

Dispersion Model(s) Used: AERMOD

Pollutant	Time Period	Calculated Maximum Ground Level Concentration (Nucor plus Background)	Calculated Maximum Ground Level Concentration (Nucor Contribution)	National Ambient Air Quality Standard {NAAQS}
PM ₁₀	24 - hour	388.4 µg/m ³	3.14 µg/m ³	150 µg/m ³
SO ₂	3 -hour	1693.2 µg/m ³	14.4 µg/m ³	1,300 µg/m ³
SO ₂	24 - hour	630.8 µg/m ³	4.72 µg/m ³	365 µg/m ³
SO ₂	Annual	88.5 µg/m ³	0.18 µg/m ³	80 µg/m ³
NO _x	Annual	60.2 µg/m ³	-	100 µg/m ³
CO*	1-hr	1194.4 µg/m ³	-	40,000 µg/m ³
CO*	8-hr	475.7 µg/m ³	-	10,000 µg/m ³

*Preliminary Screening Concentration.

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IX. General Condition XVII Activities

Work Activity	Schedule	Emission Rates - tons			
		PM₁₀	SO₂	NO_X	CO

X. Insignificant Activities

<u>ID No.:</u>	<u>Description</u>	<u>Citation</u>
		Insignificant Activity per LAC 33:III.501.B.5.A.3.

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Consolidated Environmental Management Inc - Nucor Steel Louisiana
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 Convent, St. James Parish, Louisiana

XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	17	2103	2107	2113	2115	2116*	21xx	22	29*	51*	53*	56	59*
UNF 1	Nucor Steel Louisiana	1	1	1	1	1							1			1	1	1	1	1
EQT 53	Stock House 1 Baghouse Vent		1																	
EQT 54	Stock House 2 Baghouse Vent			1																
EQT 15	Cast House 1 Baghouse Vent				1															
EQT 16	Cast House 2 Baghouse Vent					1														
EQT 36	Slag Granulator 1 Granulation Tank 1					1														
EQT-37	Slag-Granulator-1.Granulation Tank 2						1													
ARE 5	Blast Furnace 1 Slag Pit 1							1												3
ARE 6	Blast Furnace 1 Slag Pit 2								1											3
ARE 7	Blast Furnace 1 Slag Pit 3									1										
EQT 38	Slag Granulator 2 Granulation Tank 1							1												3
EQT 39	Slag Granulator 2 Granulation Tank 2								1											3
ARE 8	Blast Furnace 2 Slag Pit 1									1										
ARE 9	Blast Furnace 2 Slag Pit 2										1									
ARE 10	Blast Furnace 2 Slag Pit 3											1								
EQT 40	Air-Cooled Slag Processing Load Bin											1								
EQT 41	Air-Cooled Slag Processing Primary												1							
EQT 41	Crusher																			

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	17	2103	2107	2113	2115	2116*	21xx	22	29*	51*	53*	56	59*
EQT 42	Air-Cooled Slag Processing Primary Screening			1																
EQT 43	Air-Cooled Slag Processing Secondary Crusher			1																
EQT 44	Air-Cooled Slag Processing Secondary Screen			1																
EQT 45	Air-Cooled Slag Processing Stockpiles			1																
EQT 46	ARE 11 Slag Mill Wet Slag Feed Bin			1																
RLP 14	Slag Mill Dryer Stack			1																
EQT 47	Slag Mill Dryer Baghouse Vent			1																
EQT 48	Slag Mill Dry Slag Feed Bin Baghouse Vent			1																
EQT 49	Slag Mill Crushers/Screener Baghouse Vent			1																
EQT 50	Slag Mill Building Baghouse Vent			1																
EQT 51	Slag Mill Transfer Points Baghouse Vent			1																
EQT 52	Slag Mill Product Silo Baghouse Vent			1																
EQT 53	Slag Mill Loading Collector Baghouse Vent			1																
EQT 54	Iron Desulfurization Station Baghouse Vent			1																
EQT 55																				

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ID No.	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	17	2103	2107	2113	2115	2116*	21xx	22	29*	51*	53*	56	59*
EQT 22	Iron Solidification Building		1		1															
ARE 1	Coke Ovens Coal Handling, Crushing and Compacting			1		1														
EQT 1	Coke Battery 1 Coal Charging				1		1										1			
EQT 2	Coke Battery 1 Coke Pushing					1		2									1			
EQT 3	Coke Battery 1 Coke Quench Tower						1										1			
EQT 4	Coke Battery 1 Coke Handling						1		1											
RLP 1	Coke Battery 1-HRSG Bypass Vent								1	2	1								-2	
RLP 2	Stack 2																			
RLP 3	Stack 3																			
RLP 4	Stack 4																			
RLP 5	Stack 5																			
RLP 6	Desulfurization Stack																	1		
EQT 5	Coke Battery 1 FGD Lime Silo Unloading																			
EQT 6	Coke Battery 1 FGD Waste Loading																			

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ID No.:	Description	LAC 33:III:Chapter																		
		5▲	509	9	11	13	15	17	2103	2107	2113	2115	2116*	21xx	22	29*	51*	53*	56	59*
EQT 7	Coke Battery 2 Coal Charging		1		1												1			
EQT 8	Coke Battery 2 Coke Pushing		1		1	2										1				
EQT 9	Coke Battery 2 Coke Quench Tower		1		1											1				
EQT 10	Coke Battery 2 Coke Handling		1		1															
RLP 7	Stack 1																			
RLP 8	Stack 2																			
RLP 9	Stack 3																			
RLP 10	Stack 4																			
RLP 11	Stack 5																			
EQT 11	Unloading																			
EQT 12	Coke Battery 2 FGD Waste Loading		1		1	1	1	1							1					
EQT 13	Coke Bin Tower		1		1											1				
EQT 14	Coke Screening		1		1											1				
RLP 13	PCI Mill Vent		1		1	1	1	1								2				

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33.III.Chapter																		
		5▲	509	9	11	13	15	17	2103	2107	2113	2115	2116*	21xx	22	29*	51*	53*	56	59*
EQT 31	MEROS System Vent Stack		1		1	1													1	
EQT 32	Sinter Plant Main Dedusting			1															1	
EQT 33	Baghouse Vent																			
FUG 9	Coke and Petcoke Crushing Dedusting		1																	
EQT 34	Sinter Building Fugitives			1																
EQT 35	Sinter FGD Lime Silo Unloading		1																	
EQT 19	Sinter FGD Waste Loading		1																	
EQT 19	Blast Furnace 1 Topgas Dust Catcher		1																	
EQT 20	Blast Furnace 2 Topgas Dust Catcher		1																	
EQT 23	Topgas Boiler No. 1		1		1	1	1	1									3			
EQT 24	Topgas Boiler No. 2		1		1	1	1	1									3			
EQT 25	Topgas Boiler No. 3		1		1	1	1	1									3			
EQT 26	Topgas Boiler No. 4		1		1	1	1	1									3			
EQT 27	Topgas Boiler No. 5		1		1	1	1	1									3			
EQT 28	Topgas Boiler No. 6		1		1	1	1	1									3			
EQT 29	Topgas Boiler No. 7		1		1	1	1	1									3			
EQT 30	Topgas Boiler No. 8		1		1	1	1	1									3			
RLP 15	Blast Furnace 1 Hot Blast Stoves		1		1	1	1	1									3			
	Common Stack																			

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No:	Description	LAC 33:II Chapter									
		5▲	509	9	11	13	15	17	2103	2107	2113
EQT 55	Blast Furnace 1 Toggas Flare Pilot			1	1	1			2115	2116*	21xx
RLP 16	Blast Furnace 2 Hot Blast Stoves Common Stack	1	.1	.1	.1	.1					
EQT 56	Blast Furnace 2 Toggas Flare Pilot			1	1	1					
	Dock 1 Loading/Unloading Gantry				1	1	1				
EQT 17	Crane					1					
	Dock 2 Loading/Unloading Gantry						1	1			
EQT 18	Crane							1			
EQT 59	Wagon Tipper								1		
FUG 1	Coal Storage Piles									1	
FUG 2	Iron Ore Pellet Storage Piles										1
FUG 3	Flux Storage Piles										1
FUG 4	Granulated Pig Iron Storage Piles										
FUG 5	Granulated Slag Storage Piles										
FUG 6	Sinter Storage Piles										
FUG 7	Coke Breeze Storage Piles										
FUG 8	Mill Scale Storage Piles										
ARE 2	Unpaved Road Fugitive Dust										
ARE 3	Paved Road Fugitive Dust										1

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**Consolidated Environmental Management Inc - Nucor Steel Louisiana**

Agency Interest No.: 157847

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Convent, St. James Parish, Louisiana****XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements**

ID No.:	Description	LAC 33:III.Chapter																		
		5▲	509	9	11	13	15	17	2103	2107	2113	2115	2116*	21xx	22	29*	51*	53*	56	59*
ARE 4	Conveyor Fugitives			1		1														
EQT 60	Blast Furnaces Cooling Tower				1															
EQT 61	Iron Solidification Cooling Tower					1														
EQT 62	Air Separation Plant Cooling Tower						1													
EQT 57	Gasoline Storage Tank													1						
EQT 58	Diesel Storage Tank														3					

* The regulations indicated above are State Only regulations.

All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the "Specific Requirements" report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
- The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
Blank - The regulations clearly do not apply to this type of emission source.

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHPAP				40 CFR				
		A	D	Da	Db	Dc	Kb	N	Na	Y	Z	AA	AAA	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	S2	64
UNF 1	Nucor Steel Louisiana	1						3	3	3	3	3	3	3	3	3	3	1			1	1
EQT 53	Stock House 1 Baghouse Vent																					
EQT 54	Stock House 2 Baghouse Vent																					
EQT 15	Cast House 1 Baghouse Vent																					
EQT 16	Cast House 2 Baghouse Vent																					
EQT 36	Slag Granulator 1 Granulation Tank 1																					
EQT 37	Slag Granulator 1 Granulation Tank 2																					
ARE 5	Blast Furnace 1 Slag Pit 1																					
ARE 6	Blast Furnace 1 Slag Pit 2																					
ARE 7	Blast Furnace 1 Slag Pit 3																					
EQT 38	Slag Granulator 2 Granulation Tank 1																					
EQT 39	Slag Granulator 2 Granulation Tank 2																					
ARE 8	Blast Furnace 2 Slag Pit 1																					
ARE 9	Blast Furnace 2 Slag Pit 2																					
ARE 10	Blast Furnace 2 Slag Pit 3																					

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Convent, St. James Parish, Louisiana

XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHPAP				40 CFR					
		A	D	Da	Db	Dc	Kb	N	Na	Y	Z	AA	AAa	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	52	64	68
EQT 40	Air-Cooled Slag Processing Load Bin																						
EQT 41	Air-Cooled Slag Processing Primary Crusher																						
EQT 42	Air-Cooled Slag Processing Primary Screening																						
EQT 43	Air-Cooled Slag Processing Secondary Crusher																						
EQT 44	Air-Cooled Slag Processing Secondary Screen																						
ARE 11	Air-Cooled Slag Processing Stockpiles																						
EQT 45	Slag Mill Wet Slag Feed Bin																						
RLP 14	Slag Mill Dryer Stack																						
EQT 46	Slag Mill Dryer Baghouse Vent																						
EQT 47	Slag Mill Dry Slag Feed Bin Baghouse Vent																						
EQT 48	Slag Mill Crushers/Screener Baghouse Vent																						
EQT 49	Slag Mill Building Baghouse Vent																						

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHPAP				40 CFR					
		A	D	Da	Db	Dc	Kb	N	Na	Y	Z	AA	AAa	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	52	64	68
EQT 50	Slag Mill Transfer Points Baghouse Vent																						
EQT 51	Slag Mill Product Silo Baghouse Vent																						
EQT 52	Slag Mill Loading Collector Baghouse Vent																						
EQT 21	Iron Desulfurization Station Baghouse Vent																						
EQT 22	Iron Solidification Building Coke Ovens Coal Handling, Crushing and Compacting																						
EQT 1	Coke Battery 1 Coal Charging																						
EQT 2	Coke Battery 1 Coke Pushing																						
EQT 3	Coke Battery 1 Coke Quench Tower																						
EQT 4	Coke Battery 1 Coke Handling																						
RLP 1	Coke Battery 1 HRSG Bypass Vent Stack 1																						
RLP 2	Coke Battery 1 HRSG Bypass Vent Stack 2																						
RLP 3	Coke Battery 1 HRSG Bypass Vent Stack 3																						

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHAP				40 CFR						
		A	D	Da	D _b	Dc	K _b	N	N _a	Y	Z	AA	AA _a	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	52	64	68	
RLP 4	Coke Battery 1 HRSG Bypass Vent Stack 4	3	3	3																				
RLP 5	Coke Battery 1 HRSG Bypass Vent Stack 5	3	3	3																				
RLP 6	Coke Battery 1 Flue Gas Desulfurization Stack																							
EQT 5	Coke Battery 1 FGD Lime Silo Unloading																							
EQT 6	Coke Battery 1 FGD Waste Loading																							
EQT 7	Coke Battery 2 Coal Charging																							
EQT 8	Coke Battery 2 Coke Pushing																							
EQT 9	Coke Battery 2 Coke Quench Tower																							
EQT 10	Coke Battery 2 Coke Handling																							
RLP 7	Coke Battery 2 HRSG Bypass Vent Stack 1	3	3	3	3																			
RLP 8	Coke Battery 2 HRSG Bypass Vent Stack 2	3	3	3	3																			
RLP 9	Coke Battery 2 HRSG Bypass Vent Stack 3	3	3	3	3																			

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ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHPAP						40 CFR			
		A	D	Da	Db	Dc	Kb	N	Na	Y	Z	AA	AAa	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	52	64	68
RLP 10	Coke Battery 2 HRSG Bypass Vent Stack 4	3	3	3	3																3		
RLP 11	Coke Battery 2 HRSG Bypass Vent Stack 5	3	3	3	3																3		
RLP 12	Coke Battery 2 Flue Gas Desulfurization Stack																				3		
EQT 11	Coke Battery 2 FGD Lime Silo Unloading																				1		
EQT 12	Coke Battery 2 FGD Waste Loading																						
EQT 13	Coke Bin Tower																						
EQT 14	Coke Screening																						
RLP 13	PCI Mill Vent																			1			
EQT 31	MEROS System Vent Stack																			1			
EQT 32	Sinter Plant Main Dedusting Baghouse Vent																			1			
EQT 33	Coke and Petcoke Crushing Dedusting Baghouse Vent																						
FUG 9	Sinter Building Fugitives																			1			
EQT 34	Sinter FGD Lime Silo Unloading																			1			
EQT 35	Sinter FGD Waste Loading																						

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHAP				40 CFR					
		A	D	Da	D _b	D _c	K _b	N	N _a	Y	Z	AA	AAA	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	52	64	68
EQT 19	Blast Furnace 1 Topgas Dust Catcher																						
EQT 20	Blast Furnace 2 Topgas Dust Catcher																						
EQT 23	Topgas Boiler No. 1	1	3	3	1	3																	
EQT 24	Topgas Boiler No. 2	1	3	3	1	3																	
EQT 25	Topgas Boiler No. 3	1	3	3	1	3																	
EQT 26	Topgas Boiler No. 4	-1	-3	-3	-1	-3																	
EQT 27	Topgas Boiler No. 5	1	3	3	1	3																	
EQT 28	Topgas Boiler No. 6	1	3	3	1	3																	
EQT 29	Topgas Boiler No. 7	1	3	3	1	3																	
EQT 30	Topgas Boiler No. 8	1	3	3	1	3																	
RLP 15	Blast Furnace 1 Hot Blast Stoves Common Stack	-3	-3	-3	-3	-3																	
EQT 55	Blast Furnace 1 Topgas Flare Pilot																						
EQT 54	Blast Furnace 2 Hot Blast Stoves Common Stack	3	3	3	3	3																	
EQT 56	Blast Furnace 2 Topgas Flare Pilot																						

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XI. Table 1. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHPAP				40 CFR				
		A	D	Da	Dc	Kb	N	Na	Y	Z	AA	AAa	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	S2	64	68
EQT 17	Dock 1 Loading/Unloading Gantry Crane																					
EQT 18	Dock 2 Loading/Unloading Gantry Crane																					
EQT 59	Wagon Tipper																					
FUG 1	Coal Storage Piles																					
FUG 2	Iron Ore Pellet Storage Piles																					
FUG 3	Flux Storage Piles																					
FUG 4	Granulated Pig Iron Storage Piles																					
FUG 5	Granulated Slag Storage Piles																					
FUG 6	Sinter Storage Piles																					
FUG 7	Coke Breeze Storage Piles																					
FUG 8	Mill Scale Storage Piles																					
ARE 2	Unpaved Road Fugitive Dust																					
ARE 3	Paved Road Fugitive Dust																					
ARE 4	Conveyor Fugitives																					
EQT 60	Blast Furnaces Cooling Tower																					
EQT 61	Iron Solidification Cooling Tower																					

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ID No.:	Description	40 CFR 60 NSPS												40 CFR 63 NESHAP						40 CFR			
		A	D	Da	Db	Dc	Kb	N	Na	Y	Z	AA	AAa	LL	OOO	UUU	AL	Q	CCCCC	FFFFF	52	64	68
EQT 62	Air Separation Plant Cooling Tower																						
EQT 57	Gasoline Storage Tank																						
EQT 58	Diesel Storage Tank																						

KEY TO MATRIX

- 1 - The regulations have applicable requirements that apply to this particular emission source.
 - The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 - The regulations have applicable requirements that apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 - The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.
 Blank - The regulations clearly do not apply to this type of emission source.

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Nucor Steel Louisiana UNF 1	LAC 33:III.5911 - Chemical Accident Prevention and Minimization of Consequences	Exempt	Requires each stationary source that has a covered process as defined by 40 CFR 68.3 to register with the Office of Environmental Compliance, and to submit a single Risk Management Plan (RMP), as provided in 68.150 and 68.185. This facility is exempt, as it will not meet the definition of a covered process (will not produce, process, handle, or store substances listed in 40 CFR 68.130 in quantities greater than the threshold quantities).	LAC 33:III.5911.A, 40 CFR 68.3
	40 CFR 60 Subpart N - Standards Of Performance For Primary Emissions From Basic Oxygen Process Furnaces For Which Construction Is Commenced After June 11, 1973	Does Not Apply	The affected facility to which the provisions of this subpart apply is each basic oxygen process furnace. The facility will not construct a basic oxygen process furnace.	40 CFR 60.140(a)
	40 CFR 60 Subpart Na - Of Performance For Secondary Emissions From Basic oxygen Process Steelmaking Facilities For Which Construction Is Commenced After January 20, 1983	Does Not Apply	The provisions of this subpart apply to the following affected facilities in an iron and steel plant: top-blown BOPFs and hot metal transfer stations and skimming stations used with bottom-blown or top-blown BOPFs. The facility will not construct a BOPF.	40 CFR 60.140(a)

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ID No.	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
	40 CFR 60 Subpart Z - Standards Of Performance For Ferroalloy Production Facilities	Does Not Apply	Applies to the following affected facilities: Electric submerged arc furnaces which produce silicon metal, ferrsilicon, calcium silicon, siliconmanganese zirconium, ferrochrome silicon, silvery iron, high-carbon ferrochrome, charge chrome, standard ferromanganese, siliconmanganese, ferromanganese silicon, or calcium carbide; and dust-handling equipment. This facility will not include electric submerged arc furnaces producing these materials.	40 CFR 60.260(a)
Nucor Steel Louisiana UNF 1	40 CFR 60 Subpart AA - Standards Of Performance For Steel Plants: Electric Arc Furnaces Constructed After October 21, 1974 And On Or Before August 17, 1983	Does Not Apply	Applies to the following affected facilities in steel plants that produce carbon, alloy, or specialty steels: electric arc furnaces and dust-handling systems. This facility will not qualify as a steel plant producing carbon, alloy, or specialty steels.	40 CFR 60.270(a)
	40 CFR 60 Subpart AAa - Standards Of Performance For Steel Plants: Electric Arc Furnaces And Argon-Oxygen Decarburization Vessels Constructed After August 17, 1983	Does Not Apply	Applies to the following affected facilities in steel plants that produce carbon, alloy, or specialty steels: electric arc furnaces, argon-oxygen decarburization vessels, and dust-handling systems. This facility will not qualify as a steel plant producing carbon, alloy, or specialty steels.	40 CFR 60.270a(a)

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ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Nucor Steel Louisiana UNF 1	40 CFR 60 Subpart LL- Standards Of Performance For Metallic Mineral Processing Plants	Does Not Apply	<i>Metallic mineral processing plant</i> means any combination of equipment that produces metallic mineral concentrates from ore. Metallic mineral processing commences with the mining of ore and includes all operations either up to and including the loading of wet or dry concentrates or solutions of metallic minerals for transfer to facilities at non-adjacent locations that will subsequently process metallic concentrates into purified metals (or other products). The facility will not qualify as a metallic mineral processing plant as this facility is the non-adjacent location.	40 CFR 60.38(a)
	40 CFR 60 Subpart OOO - Standards Of Performance For Nonmetallic Mineral Processing Plants	Does Not Apply	Applies to the following affected facilities in fixed or portable nonmetallic mineral processing plants: each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, bagging operation, storage bin, enclosed truck or railcar loading station. This facility will not process nonmetallic minerals.	40 CFR 60.670(a)(1)
	40 CFR 60 Subpart UUU - Standards Of Performance For Calciners And Dryers In Mineral Industries	Does Not Apply	Applies to each calciner and dryer at a mineral processing plant. This facility will not meet the definition of a mineral processing plant.	40 CFR 60.730(a)
Slag Granulation Tanks SLG-101, SLG-102, SLG-201, SLG-202 (EQT036-039)	LAC 33:II Chapter 15 - Emission Standards for Sulfur Dioxide	Exempt	Single point sources that emit or have the potential to emit less than 250 tons per year of sulfur compounds measured as sulfur dioxide may be exempted from the 2,000 ppm(v) limitation by the administrative authority. The owner or operator of any emissions unit that is not subject to the emissions limitations of this Chapter shall record and retain at the site sufficient data to show annual potential sulfur dioxide emissions from the emissions unit.	LAC 33:III.1503.C, LAC 33:III.1515.C

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ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Slag Granulation Tanks SLG-101, SLG-102, SLG-201, SLG-202 (Cont.) (EQT036-039)	LAC 33:III.2103 - Volatile Organic Compounds - Storage of Volatile Organic Compounds	Does Not Apply	This tank will not be used to store volatile organic compounds.	LAC 33:III.2103.A,B
	40 CFR 60 Subpart Kb - New Source Performance Standards For Volatile Liquid Storage Vessels	Does Not Apply	This Subpart applies to vessels storing volatile organic liquids with a capacity greater than 75 m ³ . The slag granulation tanks will not store volatile organic liquids.	40 CFR 60.110b
	(Including Petroleum Storage Vessels) For Which Construction, Reconstruction or Modification Commenced After July 23, 1984			
-Slag Pits SLG-104, SLG-105, SLG-106, SLG-204, SLG-205, SLG-206 (ARE005-010)	-LAC 33:III Chapter 15 - Emission Standards for Sulfur Dioxide	Exempt	Single-point sources that emit or have the potential to emit less than 250 tons per year of sulfur compounds measured as sulfur dioxide may be exempted from the 2,000 ppm(v) limitation by the administrative authority. The owner or operator of any emissions unit that is not subject to the emissions limitations of this Chapter shall record and retain at the site sufficient data to show annual potential sulfur dioxide emissions from the emissions unit.	LAC 33:III.1503.C, LAC 33:III.1515.C

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ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Slag Mill Dryer SLG-402 (RLP014)	LAC 33:III.1313 - Emissions from Fuel Burning Equipment	Exempt	Applies to any operation, process, or activity from which particulate matter is emitted except the wood pulping industry, the primary aluminum industry (horizontal stud Soderberg and prebake processes), and the burning of fuel for indirect heating in which the products of combustion do not come into direct contact with process materials. The dryers will be used for the burning of fuel for indirect heating as described above, and are therefore exempt.	LAC 33:III.1313.B
Coke Charging COK-101, COK-201 (EQT001,007)	40 CFR 63 Subpart CCCCC - National Emission Standards For Hazardous Air Pollutants For Coke Ovens; Pushing, Quenching and Battery Stacks	Does Not Apply	This Subpart does apply to Coke Oven Pushing operations, but not to Coke Oven Charging operations.	40 CFR 63.7282(b)
Coke Quenching COK-103, COK-203 (EQT003,009)	40 CFR 63 Subpart L - National Emission Standards for Coke Oven Batteries	Does Not Apply	This Subpart does not apply to Coke Oven Battery quenching operations.	40 CFR 64.300 and 301

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Coke Battery 1 & 2 HRSG Bypass Stacks COK-105, through COK-109, COK-205, through COK-209 (RLP001-005, RLP007-011)	40 CFR 60 Subpart D - Standards Of Performance For Fossil-Fuel Fired Steam Generators For Which Construction Is Commenced After August 17, 1971	Does Not Apply	Applies to fossil fuel fired and wood residue fired steam generators constructed or modified after August 17, 1971. The Heat Recovery Steam Generators will not be supplementally fired with any fuels.	40 CFR 60.40(a)
Coke Battery 1 & 2 HRSG Bypass Stacks COK-105, through COK-109, COK-205, through COK-209 (RLP001-005, RLP007-011)	40 CFR 60 Subpart Da - Standards Of Performance For Electric Utility Steam Generating Units For Which Construction Is Commenced After September 18, 1978	Does Not Apply	Applies to each electric utility steam generating unit: (1) That is capable of combusting more than 250 MMBtu/hr heat input of fossil fuel; and (2) For which construction, modification, or reconstruction is commenced after September 18, 1978. The Heat Recovery Steam Generators will not be supplementally fired with fossil fuels.	40 CFR 60.40(a)
Coke Battery 1 & 2 HRSG Bypass Stacks COK-105, through COK-109, COK-205, through COK-209 (RLP001-005, RLP007-011)	40 CFR 60 Subpart Db - Standards Of Performance For Industrial-Commercial-Institutional Steam Generating Units	Does Not Apply	Applies to each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and has a heat input capacity from fuels combusted in the steam generating unit of greater than 100 MMBtu/hr. The Heat Recovery Steam Generators will not be supplementally fired with fossil fuels.	40 CFR 60.40(b)(a)

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ID No.	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
	40 CFR 60 Subpart Dc - Standards Of Performance For Small Industrial-Commercial-Institutional Steam Generating Units	Does Not Apply	Applies to each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 MMBtu/hr or less, but greater than or equal to 10 MMBtu/hr. The Heat Recovery Steam Generators will not be supplementally fired with fossil fuels (see definition of steam generating unit).	40 CFR 60.40c(a)
Coke Battery 1 & 2 HRSG Bypass Stacks	40 CFR 63 Subpart CCCCC - National Emission Standards For Hazardous Air Pollutants For Coke Ovens; Pushing, Quenching and Battery Stacks	Does Not Apply	Applies to opacity emissions from battery stacks at byproduct recovery coke ovens. The coke ovens are of the non-recovery oven design, and therefore these limitations do not apply to the bypass stacks	40 CFR 63.7296
COK-105, through COK-109, COK-205, through COK-209 (RLP001-005, RLP007-011)	LAC 33.III, Chapter 51	Exempt	LAC 33.III.5105.B.3.b exempts emissions from the combustion of Group 2 virgin fossil fuels vented from a stack that has downwash minimization stack height.	LAC 33.III.1311.G

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ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Pulverized Coal Injection Mill Hot Gas Generator and Baghouse Vent PCI-101 (RLP013)	LAC 33.III.1313 - Emissions from Fuel Burning Equipment	Exempt		LAC 33.III.1313.B
	LAC 33.III.2115 - Waste Gas Disposal	Does Not Apply	Applies to emissions to the atmosphere of waste gas streams containing VOC. Process gas streams that are used as primary fuels are excluded from the definition of a waste gas stream.	LAC 33.III.2115.M
Toppgas Boilers PWR-101, through PWR-108 (EQT023-030)	40 CFR 60 Subpart D - Standards Of Performance For Fossil-Fuel Fired Steam Generators For Which Construction Is Commenced After August 17, 1971	Does Not Apply	Applies to fossil fuel fired and wood residue fired steam generators constructed or modified after August 17, 1971. The boilers will not meet this definition.	40 CFR 60.40(a)
	40 CFR 60 Subpart Da - Standards Of Performance For Electric Utility Steam Generating Units For Which Construction Is Commenced After September 18, 1978	Does Not Apply	Applies to each electric utility steam generating unit: (1) That is capable of combusting more than 250 MMbtu/hr heat input of fossil fuel; and (2) For which construction, modification, or reconstruction is commenced after September 18, 1978. The boilers will not meet this definition.	40 CFR 60.40(a)(a)

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ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Topgas Boilers PWR-101, through PWR-108 (EQT023-030)	40 CFR 60 Subpart Dc - Standards Of Performance For Small Industrial-Commercial-Institutional Steam Generating Units	Does Not Apply	Applies to each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 MMBtu/hr or less, but greater than or equal to 10 MMBtu/hr. The TopGas Boilers will not be supplementally fired with fossil fuels (see definition of steam generating unit).	40 CFR 60.40(c)(a)
Hot Blast Stoves Common Stacks STV-101, STV-201 (RLP015-016)	LAC 33:III.2115 - Waste Gas Disposal	Does Not Apply	Applies to emissions to the atmosphere of waste gas streams containing VOC. Process gas streams that are used as primary fuels are excluded from the definition of a waste gas stream.	LAC 33:III.2115.M
	40 CFR 60 Subpart D - Standards Of Performance For Fossil-Fuel Fired Steam Generators For Which Construction Is Commenced After August 17, 1971	Does Not Apply	Applies to fossil fuel fired and wood residue fired steam generators constructed or modified after August 17, 1971. The blast furnace stoves will not be used to generate steam.	40 CFR 60.40(a)
	40 CFR 60 Subpart Da - Standards Of Performance For Electric Utility Steam Generating Units For Which Construction Is Commenced After September 18, 1978	Does Not Apply	Applies to each electric utility steam generating unit: (1) That is capable of combusting more than 250 MMbtu/hr heat input of fossil fuel; and (2) For which construction, modification, or reconstruction is commenced after September 18, 1978. The blast furnace stoves will not be used to generate steam.	40 CFR 60.40(a)

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ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Hot Blast Stoves Common Stacks STV-101, STV-201 (RLP015-016)	40 CFR 60 Subpart Dc - Standards Of Performance For Industrial-Commercial-Institutional Steam Generating Units	Does Not Apply	Applies to each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and has a heat input capacity from fuels combusted in the steam generating unit of greater than 100 MMBtu/hr. The blast furnace stoves will not be used to generate steam.	40 CFR 60.40b(a)
Coal Storage Piles PIL-101 (FUG001)	40 CFR 60 Subpart Dc - Standards Of Performance For Small Industrial-Commercial-Institutional Steam Generating Units	Does Not Apply	Applies to each steam generating unit for which construction, modification, or reconstruction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 100 MMBtu/hr or less, but greater than or equal to 10 MMBtu/hr. The Heat Recovery Steam Generators will not be supplementally fired with fossil fuels (see definition of steam generating unit).	40 CFR 60.40c(a)
Cooling Towers TWR-101, TWR-102, TWR-103 (EQT060-062)	40 CFR 60 Subpart Y - Standards of Performance for Coal Preparation Plants	Does Not Apply	This Subpart applies to coal storage systems. Open storage piles are explicitly excepted from the definition of a coal storage system.	40 CFR 60.251(h)
	40 CFR 63 Subpart Q - National Emission Standards For Hazardous Air Pollutants For Industrial Process Cooling Towers	Does Not Apply	Applies to all new and existing industrial process cooling towers that are operated with chromium-based water treatment chemicals and are either major sources or are integral parts of facilities that are major sources. The planned cooling towers will not be operated with chromium-based water treating chemicals.	40 CFR 63.400(a)

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XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Gasoline Storage Tank TNK-101 (EQT057)	40 CFR 60 Subpart Kb - New Source Performance Standards For Volatile Liquid Storage Vessels (Including Petroleum Storage Vessels) For Which Construction, Reconstruction or Modification Commenced After July 23, 1984	Does Not Apply	This Subpart applies to vessels storing volatile organic liquids with a capacity greater than 75 m ³ . TNK-101 will not exceed 75 m ³ in size.	40 CFR 60.110b
Diesel Storage Tank TNK-102 (EQT058)	LAC 33:III.2103 - Volatile Organic Compounds - Storage of Volatile Organic Compounds	Does Not Apply	This rule applies to storage vessels containing volatile organic liquids having a vapor pressure of 1.5 psia or greater. Diesel does not meet this vapor pressure threshold.	LAC 33:III.2103.A

LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY

Consolidated Environmental Management Inc - Nucor Steel Louisiana
Agency Interest No.: 157847
Consolidated Environmental Management Inc
Convent, St. James Parish, Louisiana

XI. Table 2. Explanation for Exemption Status or Non-Applicability of a Source

ID No:	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-applicability
Diesel Storage Tank TNK-102 (EQT058)	40 CFR 60 Subpart Kb - New Source Performance Standards For Volatile Liquid Storage Vessels (Including Petroleum Storage Vessels) For Which Construction, Reconstruction or Modification	Does Not Apply	This Subpart applies to vessels storing volatile organic liquids with a capacity greater than 75 m ³ . TNK-101 will not exceed 75 m ³ in size.	40 CFR 60.110b

The above table provides explanation for both the exemption status or non-applicability of a source cited by 1, 2 or 3 in the matrix presented in Section X-(Table-1) of this permit.

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- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]

- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]

- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]

- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]

- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]

- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]

- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
 - 1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];

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2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment); practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit.
[Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]

- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]

- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]

- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]

- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
 - 1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 - 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 - 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;

40 CFR PART 70 GENERAL CONDITIONS

- 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 - 5. changes in emissions would not qualify as a significant modification; and
 - 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]
- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
- 1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 - 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]

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- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]
- T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
 2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
 3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
 4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
 5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
 6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]
- U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.
The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]
- V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated May 12, 2008, along with supplemental information dated August 6, 2008, August 7, 2008, August 8, 2008, August 11, 2008, August 12, 2008, August 13, 2008, August 25, 2008, August 26, 2008, September 24, 2008, and October 1, 2008 were also received.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.

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- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.
- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
 - A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
1. Report by June 30 to cover January through March
 2. Report by September 30 to cover April through June
 3. Report by December 31 to cover July through September
 4. Report by March 31 to cover October through December
- D. Each report submitted in accordance with this condition shall contain the following information:
1. Description of noncomplying emission(s);
 2. Cause of noncompliance;
 3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
 4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
 5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.
- E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.
- XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:
- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
 - B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
 - C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
 - D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

LOUISIANA AIR EMISSION PERMIT GENERAL CONDITIONS

- XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.
- XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.
- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services in accordance with LAC 33:I.Chapter 19.Facility Name and Ownership/Operator Changes Process.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]
- These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.
- XVIII. Provisions of the permit may be appealed to the secretary in writing pursuant to La. R.S. 30:2024(A) within 30 days from notice of the permit action. A request may be made to the secretary to suspend those provisions of the permit specifically appealed. The permit remains in effect to the extent that the secretary or assistant secretary does not elect to suspend the appealed provisions as requested or, at his discretion, other permit provisions as well. Construction cannot proceed, except as specifically approved by the secretary or

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

assistant secretary, until a final decision has been rendered on the appeal. A request for hearing must be sent to the Office of the Secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. For Part 70 sources, certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 157847 Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER2008001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Also Known As:	ID	Name	User Group	Start Date
	2560-00281	Consolidated Environmental Management Inc - Nucor Steel Louisiana Nucor Corp (Parent Co)	CDS Number Multimedia	05-13-2008 05-13-2008
Physical Location:		I-10 & Hwy 22 go Hwy 22 W to Hwy 70 W 4.2 Mi to Hwy 3125 S 2 Mi to Main Gate Convent, LA 70000	Main Phone:	7049721833
Mailing Address:	1915 Rexford Rd Charlotte, NC 28211	Mailing Address	Phone (Type)	Relationship
Related People:	Name			
	Joe Rukowski	1915 Rexford Rd Charlotte, NC 28211	joe.rukowski@nucor	Responsible Official for
	Joe Rukowski	1915 Rexford Rd Charlotte, NC 28211	7043667000 (WP)	Responsible Official for
	Joe Rukowski	1915 Rexford Rd Charlotte, NC 28211	joe.rukowski@nucor	Air Permit Contact For
	Joe Rukowski	1915 Rexford Rd Charlotte, NC 28211	7043667000 (WP)	Air Permit Contact For
Related Organizations:	Name	Address	Phone (Type)	Relationship
	Consolidated Environmental Management Inc	1915 Rexford Rd Charlotte, NC 28211	7049721833 (WP)	Air Billing Party for
	Consolidated Environmental Management Inc	1915 Rexford Rd Charlotte, NC 28211	7049721833 (WP)	Operates
	Consolidated Environmental Management Inc	1915 Rexford Rd Charlotte, NC 28211	7049721833 (WP)	Owns

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the Permit.
 Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-0775 or email your changes to facupdate@la.gov.

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-0-0281-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Coke Battery Process Area						
AER0001	COK-100 - Coke Ovens Coal Handling, Crushing, and Compacting	2.2 MM tons/yr	393.52 tons/hr			8760 hr/yr (All Year)
EOT0001	COK-101 - Coke Battery 1 Coke Charging	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
EOT0002	COK-102 - Coke Battery 1 Coke Pushing	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
EOT0003	COK-103 - Coke Battery 1 Coke Quench Tower	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
EOT0004	COK-104 - Coke Battery 1 Coke Handling	1.14 MM tons/yr	139.64 tons/hr			8760 hr/yr (All Year)
EOT0005	COK-112 - Coke Battery 1 FGD Lime Silo Unloading	21810 Tons lime/year	20 tons/hr			8760 hr/yr (All Year)
EOT0006	COK-113 - Coke Battery 1 FGD Waste Loading	59319 tons/yr	60 tons/hr			8760 hr/yr (All Year)
EOT0007	COK-201 - Coke Battery 2 Coke Charging	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
EOT0008	COK-202 - Coke Battery 2 Coke Pushing	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
EOT0009	COK-203 - Coke Battery 2 Coke Quench Tower	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
EOT0010	COK-204 - Coke Battery 2 Coke Handling	1.14 MM tons/yr	139.64 tons/hr			8760 hr/yr (All Year)
EOT0011	COK-212 - Coke Battery 2 FGD Lime Silo Unloading	21810 Tons lime/year	20 tons/hr			8760 hr/yr (All Year)
EOT0012	COK-213 - Coke Battery 2 FGD Waste Loading	59319 tons/yr	60 tons/hr			8760 hr/yr (All Year)
EOT0013	COK-214 - Coke Bin Tower	2.2 MM tons/yr	251.67 tons/hr			8760 hr/yr (All Year)
EOT0014	COK-105 - Coke Screening	2.2 MM tons/yr	251.67 tons/hr			8760 hr/yr (All Year)
RLP0001	COK-105 - HRSB Bypass Vent Stack 1	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0002	COK-106 - Coke Battery 1 HRSB Bypass Vent Stack 2	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0003	COK-107 - Coke Battery 1 HRSB Bypass Vent Stack 3	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0004	COK-108 - Coke Battery 1 HRSB Bypass Vent Stack 4	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0005	COK-109 - Coke Battery 1 HRSB Bypass Vent Stack 5	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0006	COK-111 - Coke Battery 1 Flue Gas Desulfurization Stack	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
RLP0007	COK-205 - Coke Battery 2 HRSB Bypass Vent Stack 1	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0008	COK-206 - Coke Battery 2 HRSB Bypass Vent Stack 2	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0009	COK-207 - Coke Battery 2 HRSB Bypass Vent Stack 3	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0010	COK-208 - Coke Battery 2 HRSB Bypass Vent Stack 4	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0011	COK-209 - Coke Battery 2 HRSB Bypass Vent Stack 5	34 MM tons/yr	36.55 tons/hr			288 hr/yr (All Year)
RLP0012	COK-211 - Coke Battery 2 Flue Gas Desulfurization Stack	1.72 MM tons/yr	182.76 tons/hr			8760 hr/yr (All Year)
Sinter Process Area						
EOT0031	SIN-101 - MERO System Sinter Vent Stack	3.03 MM tons/yr	346 tons/hr			8760 hr/yr (All Year)
EOT0032	SIN-102 - Sinter Plant Main Dedusting Baghouse Vent	3.03 MM tons/yr	314 tons/hr			8760 hr/yr (All Year)
EOT0033	SIN-103 - Coke and Pet coke Crushing Dedusting Baghouse Vent	3.03 MM tons/yr	314 tons/hr			8760 hr/yr (All Year)
EOT0034	SIN-105 - Sinter FGD Lime Silo Unloading	175200 tons/yr	20 tons/hr			8760 hr/yr (All Year)
EOT0035	SIN-106 - Sinter FGD Waste Loading	525600 tons/yr	60 tons/hr			8760 hr/yr (All Year)
FUG0009	SIN-104 - Sinter Plant Fugitive Emissions	3.03 MM tons/yr	314 tons/hr			8760 hr/yr (All Year)

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-0-0281-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Slag Mill Process Area						
ARE0005	SLG-104 - Blast Furnace 1 Slag Pit 1		225955 tons/yr	23.15 tons/hr		2628 hr/yr (All Year)
ARE0006	SLG-105 - Blast Furnace 1 Slag Pit 2		225955 tons/yr	23.15 tons/hr		2628 hr/yr (All Year)
ARE0007	SLG-106 - Blast Furnace 1 Slag Pit 3		225955 tons/yr	23.15 tons/hr		2628 hr/yr (All Year)
ARE0008	SLG-204 - Blast Furnace 2 Slag Pit 1		225955 tons/yr	23.15 tons/hr		2628 hr/yr (All Year)
ARE0009	SLG-205 - Blast Furnace 2 Slag Pit 2		225955 tons/yr	23.15 tons/hr		2628 hr/yr (All Year)
ARE0010	SLG-206 - Blast Furnace 2 Slag Pit 3		225955 tons/yr	23.15 tons/hr		2628 hr/yr (All Year)
ARE0011	SLG-306 - Air-Cooled Slag Processing Stockpiles		963600 tons/yr	6.83 tons/hr		8760 hr/yr (All Year)
EQT0015	CSF-101 - Cast House 1 Baghouse Vent		4.13 MM tons/yr	394 tons/hr		8760 hr/yr (All Year)
EQT0016	CSF-201 - Cast House 2 Baghouse Vent		4.13 MM tons/yr	394 tons/hr		8760 hr/yr (All Year)
EQT0036	SLG-101 - Slag Granulator 1 Granulation Tank 1		7531.85 tons/yr	34.17 tons/hr		8760 hr/yr (All Year)
EQT0037	SLG-102 - Slag Granulator 1 Granulation Tank 2		7531.85 tons/yr	34.17 tons/hr		8760 hr/yr (All Year)
EQT0038	SLG-201 - Slag Granulator 2 Granulation Tank 1		7531.85 tons/yr	34.17 tons/hr		8760 hr/yr (All Year)
EQT0039	SLG-202 - Slag Granulator 2 Granulation Tank 2		7531.85 tons/yr	34.17 tons/hr		8760 hr/yr (All Year)
EQT0040	SLG-301 - Air-Cooled Slag Processing Load Bin		963600 tons/yr	6.83 tons/hr		8760 hr/yr (All Year)
EQT0041	SLG-302 - Air-Cooled Slag Processing Primary Crusher		963600 tons/yr	6.83 tons/hr		8760 hr/yr (All Year)
EQT0042	SLG-303 - Air-Cooled Slag Processing Primary Screening		963600 tons/yr	6.83 tons/hr		8760 hr/yr (All Year)
EQT0043	SLG-304 - Air-Cooled Slag Processing Secondary Crusher		963600 tons/yr	6.83 tons/hr		8760 hr/yr (All Year)
EQT0044	SLG-305 - Air-Cooled Slag Processing Secondary Screen		963600 tons/yr	6.83 tons/hr		8760 hr/yr (All Year)
EQT0045	SLG-401 - Slag Mill Wet Slag Feed Bin		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)
EQT0046	SLG-403 - Slag Mill Drier Baghouse Vent		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)
EQT0047	SLG-404 - Slag Mill Dry Slag Feed Bin Baghouse Vent		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)
EQT0048	SLG-405 - Slag Mill Crushers/Screeners Baghouse Vent		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)
EQT0049	SLG-406 - Slag Mill Building Baghouse Vent		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)
EQT0050	SLG-407 - Slag Mill Transfer Points Baghouse Vent		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)
EQT0051	SLG-408 - Slag Mill Product Silo Baghouse Vent		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)
EQT0052	SLG-409 - Slag Mill Loading Collector Baghouse Vent		963600 tons/yr	37.7 tons/hr		8760 hr/yr (All Year)
RLP0014	SLG-402 - Slag Mill Drier Stack		1.92 MM tons/yr	75.4 tons/hr		8760 hr/yr (All Year)

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
Entire Facility						
ARE0002	FUG-101 - Unpaved Road Fugitive Dust		404055 vehicle miles traveled/yr	404055 vehicle miles traveled/yr		8760 hr/yr (All Year)
ARE0003	FUG-102 - Paved Road Fugitive Dust		44165 vehicle miles traveled/yr	43800 vehicle miles traveled/yr		8760 hr/yr (All Year)
ARE0004	FUG-103 - Conveyor Fugitives		48-29 MM tons/yr	5512 tons/hr		8760 hr/yr (All Year)
EQT0017	DOC-101 - Dock 1 Loading/Unloading Cantly Crane		22.4 MM tons/yr	1707 tons/hr		8760 hr/yr (All Year)
EQT0018	DOC-102 - Dock 2 Loading/Unloading Cantly Crane		22.4 MM tons/yr	1707 tons/hr		8760 hr/yr (All Year)
EQT0019	DST-101 - Blast Furnace 1 Topgas Dust Catcher		394200 tons/yr	44 tons/hr		8760 hr/yr (All Year)
EQT0020	DST-201 - Blast Furnace 2 Topgas Dust Catcher		394200 tons/yr	44 tons/hr		8760 hr/yr (All Year)
EQT0021	PIG-101 - Pig Iron Desulfurization Station Baghouse Vent		3.45 MM tons/yr	394 tons/hr		8760 hr/yr (All Year)
EQT0022	PIG-102 - Pig Iron Solidification Baghouse Vent		3.45 MM tons/yr	394 tons/hr		8760 hr/yr (All Year)
EQT0023	PWR-101 - Topgas Boiler No. 1		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0024	PWR-102 - Topgas Boiler No. 2		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0025	PWR-103 - Topgas Boiler No. 3		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0026	PWR-104 - Topgas Boiler No. 4		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0027	PWR-105 - Topgas Boiler No. 5		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0028	PWR-106 - Topgas Boiler No. 6		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0029	PWR-107 - Topgas Boiler No. 7		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0030	PWR-108 - Topgas Boiler No. 8		1.81 billion BTU/yr	206.42 MM BTU/hr		8760 hr/yr (All Year)
EQT0053	STC-101 - Stock House 1 Baghouse Vent		23.74 MM tons/yr	2462 tons/hr		8760 hr/yr (All Year)
EOT0054	STC-201 - Stock House 2 Baghouse Vent		23.74 MM tons/yr	2462 tons/hr		8760 hr/yr (All Year)
EOT0055	STV-102 - Blast Furnace 1 Topgas Flare Pilot		33 lb/hr	22 lb/hr	Natural Gas Pilot Fuel	8760 hr/yr (All Year)
EOT0056	STV-202 - Blast Furnace 2 Topgas Flare Pilot		33 lb/hr	22 lb/hr	Natural Gas Pilot Fuel	8760 hr/yr (All Year)
EQT0057	TNK-101 - Gasoline Storage Tank	1750 gallons	6000 gallons/yr	1123 gallons/hr		8760 hr/yr (All Year)
EQT0058	TNK-102 - Diesel Storage Tank	16920 gallons	100000 gallons/yr	1077 gallons/hr		8760 hr/yr (All Year)
EQT0059	TRN-101 - Wagon Tipper		10.51 MM tons/yr	1200 tons/hr		8760 hr/yr (All Year)
EQT0060	TWR-101 - Blast Furnace Cooling Tower		129803 gallons/min	129803 gallons/min		8760 hr/yr (All Year)
EQT0061	TWR-102 - Iron Solidification Cooling Tower		16800 gallons/min	16800 gallons/min		8760 hr/yr (All Year)
EQT0062	TWR-103 - Air Separation Plant Cooling Tower		10414 gallons/min	10474 gallons/min		8760 hr/yr (All Year)
FUG0001	PIL-101 - Coal Storage Piles		48-29 MM tons/yr	5512 tons/hr		8760 hr/yr (All Year)
FUG0002	PIL-102 - Iron Ore Pellet Storage Piles		48-29 MM tons/yr	5512 tons/hr		8760 hr/yr (All Year)
FUG0003	PIL-103 - Flux Storage Piles		11.59 MM tons/yr	1323 tons/hr		8760 hr/yr (All Year)
FUG0004	PIL-104 - Pig Iron Storage Piles		9.65 MM tons/yr	1102 tons/hr		8760 hr/yr (All Year)
FUG0005	PIL-105 - Granulated Slag Storage Piles		5.79 MM tons/yr	651 tons/hr		8760 hr/yr (All Year)
FUG0006	PIL-106 - Sinter Storage Piles		5.79 MM tons/yr	661 tons/hr		8760 hr/yr (All Year)
FUG0007	PIL-107 - Coke Breeze Storage Piles		5.79 MM tons/yr	661 tons/hr		8760 hr/yr (All Year)
FUG0008	PIL-108 - Mill Scale Storage Piles		5.79 MM tons/yr	661 tons/hr		8760 hr/yr (All Year)
RLP0013	PCI-101 - PCI Mill Vent		778676.4 MM BTU/yr	88.9 MM BTU/hr		8760 hr/yr (All Year)
RLP0015	STV-101 - Blast Furnace 1 Hot Blast Stoves Common Slack		1087.56 MM BTU/hr	627.04 MM BTU/hr		8760 hr/yr (All Year)
RLP0016	STV-201 - Blast Furnace 2 Hot Blast Stoves Common Slack		1087.56 MM BTU/hr	627.04 MM BTU/hr		8760 hr/yr (All Year)

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
Coke Battery Process Area							
ARE0001	COK-100 - Coke Ovens Coal Handling, Crushing, and Compacting	60	100046	4.2		100	90
EQT0001	COK-101 - Coke Battery 1 Coal Charging	68.25	2350	4.5		30	300
EQT0002	COK-102 - Coke Battery 1 Coke Pushing	70	2350	5		30	400
EQT0003	COK-103 - Coke Battery 1 Coke Quench Tower	9.84		40.2		98	201
EQT0004	COK-104 - Coke Battery 1 Coke Handling	50	9424	2		50	201
EQT0005	COK-112 - Coke Battery 1 FGD Lime Silo Unloading	32.8	2350	1		16	98
EQT0006	COK-113 - Coke Battery 1 FGD Waste Loading	32.8	2350	1		16	98
EQT0007	COK-201 - Coke Battery 2 Coal Charging	68.25	2350	4.5		30	300
EQT0008	COK-202 - Coke Battery 2 Coke Pushing	70	2350	5		30	400
EQT0009	COK-203 - Coke Battery 2 Coke Quench Tower	9.84		40.2		98	201
EQT0010	COK-204 - Coke Battery 2 Coke Handling	50	9424	2		50	201
EQT0011	COK-212 - Coke Battery 2 FGD Lime Silo Unloading	32.8	2350	1		16	98
EQT0012	COK-213 - Coke Battery 2 FGD Waste Loading	32.8	2350	1		16	98
EQT0013	COK-214 - Coke Bin Tower	32.8	29430	1		92	201
EQT0014	COK-215 - Coke Screening	32.8	29430	1		92	201
GRP0001	COK-110 - Coke Battery 1 HRSG Bypass Vents Cap	68.9	436277	9		90	1900
GRP0002	COK-210 - Coke Battery 2 HRSG Bypass Vents Cap	68.9	436277	9		90	1900
RLP0001	COK-105 - Coke Battery 1 HRSG Bypass Vent Stack 1	68.9	436277	9		120	1900
RLP0002	COK-106 - Coke Battery 1 HRSG Bypass Vent Stack 2	68.9	436277	9		120	1900
RLP0003	COK-107 - Coke Battery 1 HRSG Bypass Vent Stack 3	68.9	436277	9		120	1900
RLP0004	COK-108 - Coke Battery 1 HRSG Bypass Vent Stack 4	68.9	436277	9		120	1900
RLP0005	COK-109 - Coke Battery 1 HRSG Bypass Vent Stack 5	68.9	436277	9		120	1900
RLP0006	COK-111 - Coke Battery 1 Flue Gas Desulfurization Stack	75.5	628000	13		213	212
RLP0007	COK-205 - Coke Battery 2 HRSG Bypass Vent Stack 1	68.9	436277	9		120	1900
-RLP0008	-COK-206 - Coke Battery 2 HRSG Bypass Vent Stack 2	68.9	436277	9		120	1900
RLP0009	COK-207 - Coke Battery 2 HRSG Bypass Vent Stack 3	68.9	436277	9		120	1900
RLP0010	COK-208 - Coke Battery 2 HRSG Bypass Vent Stack 4	68.9	436277	9		120	1900
RLP0011	COK-209 - Coke Battery 2 HRSG Bypass Vent Stack 5	68.9	436277	9		120	1877
RLP0012	COK-211 - Coke Battery 2 Flue Gas Desulfurization Stack	75.5	628000	13		213	212
Sinter Process Area							
EOT0031	SIN-101 - MEROS System Sinter Vent Stack	66	947600	11.3		246	150
EOT0032	SIN-102 - Sinter Plant Main Dedusting Baghouse Vent	60	29430	2.5		65	98
EOT0033	SIN-103 - Coke and Petcoke Crushing Dedusting Baghouse Vent	50	300881	11.3		98	158

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Sinter Process Area							
EQT0034	SIN-105 - Sinter FGD Lime Silo Unloading	32.8	2350	1		16	98
EQT0035	SIN-106 - Sinter FGD Waste Loading	32.8	2350	1		16	98
Slag Mill Process Area							
ARE0005	SLG-104 - Blast Furnace 1 Slag Pit 1	3.3				3.28	2822
ARE0006	SLG-105 - Blast Furnace 1 Slag Pit 2	3.3				3.28	2822
ARE0007	SLG-106 - Blast Furnace 1 Slag Pit 3	3.3				3.28	2822
ARE0008	SLG-204 - Blast Furnace 2 Slag Pit 1	3.28				3.3	2822
ARE0009	SLG-205 - Blast Furnace 2 Slag Pit 2	3.28				3.3	2822
ARE0010	SLG-206 - Blast Furnace 2 Slag Pit 3	3.28				3.3	2822
ARE0011	SLG-306 - Air-Cooled Slag Processing Stockpiles	3.28				32.8	70
EQT0015	CST-101 - Cast House 1 Baghouse Vent	32.81	706268	2		131	176
EQT0016	CST-201 - Cast House 2 Baghouse Vent	32.81	706268	2		131	176
EQT0036	SLG-101 - Slag Granulator 1 Granulation Tank 1	67.91	150	2.5		49.2	194
EQT0037	SLG-102 - Slag Granulator 1 Granulation Tank 2	67.91	150	2.5		49.2	194
EQT0038	SLG-201 - Slag Granulator 2 Granulation Tank 1	67.91	150	2.5		49.2	194
EQT0039	SLG-202 - Slag Granulator 2 Granulation Tank 2	67.91	150	2.5		49.2	194
EQT0040	SLG-301 - Air-Cooled Slag Processing Load Bin	3.28	59400	200		9.8	70
EQT0041	SLG-302 - Air-Cooled Slag Processing Primary Crusher	3.28	59400	200		9.8	70
EQT0042	SLG-303 - Air-Cooled Slag Processing Primary Screening	50	9425	2		9.8	70
EQT0043	SLG-304 - Air-Cooled Slag Processing Secondary Crusher	50	9425	2		9.8	70
EQT0044	SLG-305 - Air-Cooled Slag Processing Secondary Screen	50	9425	2		9.8	70
EQT0045	SLG-401 - Slag Mill Wet Slag Feed Bin	67.91	59400	2.5		16.4	90
EQT0046	SLG-403 - Slag Mill Dry Slag Feed Bin Baghouse Vent	67.91	100046	2.5		65.6	170
EQT0047	SLG-404 - Slag Mill Product Silo Baghouse Vent	67.91	100046	2.5		65.6	170
EQT0048	SLG-405 - Slag Mill Crushers/Screener Baghouse Vent	67.91	100046	2.5		65.6	170
EQT0049	SLG-406 - Slag Mill Building Baghouse Vent	67.91	100046	2.5		65.6	170
EQT0050	SLG-407 - Slag Mill Transfer Points Baghouse Vent	67.91	100046	2.5		65.6	170
EQT0051	SLG-408 - Slag Mill Product Silo Baghouse Vent	67.91	2350	2.5		65.6	170
EQT0052	SLG-409 - Slag Mill Loading Collector Baghouse Vent	67.91	2350	2.5		65.6	170
GRP0004	SLG-103 - Slag Granulator 1 Cap	.03	150		76	9.8	194
GRP0005	SLG-107 - Blast Furnace 1 Slag Pits Cap	3.28	22140		6750	3.3	2822
GRP0006	SLG-203 - Slag Granulator 2 Cap	.03	150		76	9.8	194
GRP0007	SLG-207 - Blast Furnace 2 Slag Pits Cap	3.28	22140		6750	3.3	2822

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER2008001
Permit Number: 2560-0-0281-V0
Air - Title V Regular Permit Initial

Stack Information:		Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Slag Mill Process Area								
RLP0014	SLG-402 - Slag Mill Dryer Stack		67.91	172400	2.5		65.6	170
ARE0002	FUG-101 - Unpaved Road Fugitive Dust		3.28				3.3	70
ARE0003	FUG-102 - Paved Road Fugitive Dust		3.28				3.3	70
ARE0004	FUG-103 - Conveyor Fugitives		3.28				26.2	70
EQT0017	DOC-101 - Dock 1 Loading/Unloading Gantry Crane		3.28	78720	400		120	70
EQT0018	DOC-102 - Dock 2 Loading/Unloading Gantry Crane		3.28	78720	400		120	70
EQT0019	DST-101 - Blast Furnace 1 Topgas Dust Catcher		32.81	297400	1		19.7	104
EQT0020	DST-201 - Blast Furnace 2 Topgas Dust Catcher		32.81	297140	1		19.7	104
EQT0021	PIG-101 - Pig Iron Desulfurization Station Baghouse Vent		67.91	100046	2.5		65.6	170
EQT0022	PIG-102 - Pig Iron Solidification Baghouse Vent		67.91	100046	2.5		65.6	170
EQT0023	PWR-101 - Topgas Boiler No. 1		66.6	255000	11.3		213.3	375
EQT0024	PWR-102 - Topgas Boiler No. 2		66.6	255000	11.3		213.3	375
EQT0025	PWR-103 - Topgas Boiler No. 3		66.6	255000	11.3		213.3	375
EQT0026	PWR-104 - Topgas Boiler No. 4		66.6	255000	11.3		213.3	375
EQT0027	PWR-105 - Topgas Boiler No. 5		66.6	255000	11.3		213.3	375
EQT0028	PWR-106 - Topgas Boiler No. 6		66.6	255000	11.3		213.3	375
EQT0029	PWR-107 - Topgas Boiler No. 7		66.6	255000	11.3		213.3	375
EQT0030	PWR-108 - Topgas Boiler No. 8		66.6	255000	11.3		213.3	375
EQT0053	STC-101 - Stock House 1 Baghouse Vent		32.81	317000	2		131	90
EOT0054	STC-201 - Stock House 2 Baghouse Vent		32.81	317000	2		131	90
EOT0055	STV-102 - Blast Furnace 1 Topgas Flare Pilot		65.62	164	1.64		229.7	1832
EOT0056	STV-202 - Blast Furnace 2 Topgas Flare Pilot		65.62	164	1.64		229.7	1832
EOT0057	TNK-101 - Gasoline Storage Tank		.49	2.5	.33		8	70
EOT0058	TNK-102 - Diesel Storage Tank		-1.15	-24.01	-67		-15-----	-70-
EOT0059	TRN-101 - Wagon Tipper		32.81	177120	1		16.4	201
EQT0060	TWR-101 - Blast Furnace Cooling Tower		30.18	23756	20.24		39.4	104
EQT0061	TWR-102 - Iron Solidification Cooling Tower		30.18	184477	20.24		39.4	104
EQT0062	TWR-103 - Air Separation Plant Cooling Tower		30.18	115013	20.24		39.4	104
FUG0001	PIL-101 - Coal Storage Piles						50	
FUG0002	PIL-102 - Iron Ore Pellet Storage Piles						32.8	
FUG0003	PIL-103 - Flux Storage Piles						40	
FUG0004	PIL-104 - Pig Iron Storage Piles						32.8	

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Stack Information:

ID	Description	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (°F)
Entire Facility							
FUG0005	PIL-105 - Granulated Slag Storage Piles					32.8	
FUG0006	PIL-106 - Sinter Storage Piles					40	
FUG0007	PIL-107 - Coke Breeze Storage Piles					32.8	
FUG0008	PIL-108 - Mill Scale Storage Piles					32.8	
GRP0001	COK-110 - Coke Battery 1 HRSG Bypass Vents Cap	68.9	436277	9		90	1900
GRP0002	COK-210 - Coke Battery 2 HRSG Bypass Vents Cap	68.9	436277	9		90	1900
GRP0003	PWR-100 - Topgas Boilers Cap	213.25		401.15		213	375
GRP0004	SLG-103 - Slag Granulator 1 Cap	.03	150		76	9.8	194
GRP0005	SLG-107 - Blast Furnace 1 Slag Pits Cap	3.28	22140		6750	3.3	2822
GRP0006	SLG-203 - Slag Granulator 2 Cap	.03	150		76	9.8	194
GRP0007	SLG-207 - Blast Furnace 2 Slag Pits Cap	3.28	22140		6750	3.3	2822
RLP0013	PCI-101 - PCI Mill Vent	47.9	68864	2		65.6	170
RLP0015	STV-101 - Blast Furnace 1 Hot Blast Stoves Common Stack	66.6	201400	11.3		213.3	375
RLP0016	STV-201 - Blast Furnace 2 Hot Blast Stoves Common Stack	66.6	201400	11.3		213.3	375

Relationships:**Subject Item Groups:**

ID	Group Type	Group Description
CRC0001	Common Requirements Group	WeiSupn - Common Requirements for Wet Suppression
CRC0002	Common Requirements Group	PWRBoil - Common Requirements for Power Boilers
GRP0001	Equipment Group	COK-110 - Coke Battery 1 HRSG Bypass Vents Cap
GRP0002	Equipment Group	COK-210 - Coke Battery 2 HRSG Bypass Vents Cap
GRP0003	Equipment Group	PWR-100 - Topgas Boilers Cap
GRP0004	Equipment Group	SLG-103 - Slag Granulator 1 Cap
GRP0005	Equipment Group	SLG-107 - Blast Furnace 1 Slag Pits Cap
GRP0006	Equipment Group	SLG-203 - Slag Granulator 2 Cap
GRP0007	Equipment Group	SLG-207 - Blast Furnace 2 Slag Pits Cap
PCS0001	Process Group	Sinter - Sinter Process Area
PCS0002	Process Group	CokeBat - Coke Battery Process Area
PCS0003	Process Group	SlagMill - Slag Mill Process Area
SCN0001	Alternate Operating Scenario	HRSGByp1 - Coke Battery 2 HRSG Bypass Vent Stack
SCN0002	Alternate Operating Scenario	HRSGByp2 - Coke Battery 2 HRSG Bypass Vent Stack
UNF0001	Unit or Facility Wide	Nucor - Entire Facility

INVENTORIES

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-0-0281-V0
Air • Title V Regular Permit Initial

Group Membership:

ID	Description	Member of Groups
ARE0001	COK-100 - Coke Ovens Coal Handling, Crushing, and Compacting	PCSG000000000002
ARE0005	SLG-104 - Blast Furnace 1 Slag Pit 1	GRP0000000005, PCS000000000003
ARE0006	SLG-105 - Blast Furnace 1 Slag Pit 2	GRP0000000005, PCS000000000003
ARE0007	SLG-106 - Blast Furnace 1 Slag Pit 3	GRP0000000005, PCS000000000003
ARE0008	SLG-204 - Blast Furnace 2 Slag Pit 1	GRP0000000007, PCS000000000003
ARE0009	SLG-205 - Blast Furnace 2 Slag Pit 2	GRP0000000007, PCS000000000003
ARE0010	SLG-206 - Blast Furnace 2 Slag Pit 3	GRP0000000007, PCS000000000003
ARE0011	SLG-306 - Air-Cooled Slag Processing Stockpiles	CRG0000000001, PCS000000000003
EQT0001	COK-101 - Coke Battery 1 Coal Charging	PCSG000000000002
EQT0002	COK-102 - Coke Battery 1 Coke Pushing	PCSG000000000002
EQT0003	COK-103 - Coke Battery 1 Coke Quench Tower	PCSG000000000002
EQT0004	COK-104 - Coke Battery 1 Coke Handling	PCSG000000000002
EQT0005	COK-112 - Coke Battery 1 FGD Lime Silo Unloading	PCSG000000000002
EQT0006	COK-113 - Coke Battery 1 FGD Waste Loading	PCSG000000000002
EQT0007	COK-201 - Coke Battery 2 Coal Charging	PCSG000000000002
EQT0008	COK-202 - Coke Battery 2 Coke Pushing	PCSG000000000002
EQT0009	COK-203 - Coke Battery 2 Coke Quench Tower	PCSG000000000002
EQT0010	COK-204 - Coke Battery 2 Coke Handling	PCSG000000000002
EQT0011	COK-212 - Coke Battery 2 FGD Lime Silo Unloading	PCSG000000000002
EQT0012	COK-213 - Coke Battery 2 FGD Waste Loading	PCSG000000000002
EQT0013	COK-214 - Coke Bin Tower	PCSG000000000002
EQT0014	COK-215 - Coke Screening	PCSG000000000002
EQT0015	CST-101 - Cast House 1 Baghouse Vent	PCSG000000000003
EQT0016	CST-201 - Cast House 2 Baghouse Vent	PCSG000000000003
EQT0017	DOC-101 - Dock 1 Loading/Unloading Gantry Crane	CRG000000000001
EQT0018	DOC-102 - Dock 2 Loading/Unloading Gantry Crane	CRG000000000001
EQT0023	PWR-101 - Topgas Boiler No. 1	CRG0000000002, GRP0000000003
EQT0024	PWR-102 - Topgas Boiler No. 2	CRG0000000002, GRP0000000003
EQT0025	PWR-103 - Topgas Boiler No. 3	CRG0000000002, GRP0000000003
EQT0026	PWR-104 - Topgas Boiler No. 4	CRG0000000002, GRP0000000003
EQT0027	PWR-105 - Topgas Boiler No. 5	CRG0000000002, GRP0000000003
EQT0028	PWR-106 - Topgas Boiler No. 6	CRG0000000002, GRP0000000003
EQT0029	PWR-107 - Topgas Boiler No. 7	CRG0000000002, GRP0000000003
EQT0030	PWR-108 - Topgas Boiler No. 8	CRG0000000002, GRP0000000003
EQT0031	SIN-101 - MERO System Sinter Vent Stack	PCSG000000000001
EQT0032	SIN-102 - Sinter Plant Main Dedusting Baghouse Vent	PCSG000000000001
EQT0033	SIN-103 - Coke and Pet coke Crushing Dedusting Baghouse Vent	PCSG000000000001
EQT0034	SIN-105 - Sinter FGD Lime Silo Unloading	PCSG000000000001
EQT0035	SIN-106 - Sinter FGD Waste Loading	PCSG000000000001
EQT0036	SLG-101 - Slag Granulator 1 Granulation Tank 1	GRP0000000004, PCS000000000003
EQT0037	SLG-102 - Slag Granulator 1 Granulation Tank 2	GRP0000000004, PCS000000000003
EQT0038	SLG-201 - Slag Granulator 2 Granulation Tank 1	GRP0000000006, PCS000000000003
EQT0039	SLG-202 - Slag Granulator 2 Granulation Tank 2	GRP0000000006, PCS000000000003

INVENTORIES

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group Membership:

Group Membership:	ID	Description	Member of Groups
EOT0040	SLG-301	Air-Cooled Slag Processing Load Bin	PCS000000000003
EOT0041	SLG-302	Air-Cooled Slag Processing Primary Crusher	PCS000000000003
EOT0042	SLG-303	Air-Cooled Slag Processing Primary Screening	PCS000000000003
EOT0043	SLG-304	Air-Cooled Slag Processing Secondary Crusher	PCS000000000003
EOT0044	SLG-305	Air-Cooled Slag Processing Secondary Screen	PCS000000000003
EOT0045	SLG-401	Slag Mill Wet Slag Feed Bin	PCS000000000003
EOT0046	SLG-403	Slag Mill Dryer Baghouse Vent	PCS000000000003
EOT0047	SLG-404	Slag Mill Dry Slag Feed Bin Baghouse Vent	PCS000000000003
EOT0048	SLG-405	Slag Mill Crushers/Screeners Baghouse Vent	PCS000000000003
EOT0049	SLG-406	Slag Mill Building Baghouse Vent	PCS000000000003
EOT0050	SLG-407	Slag Mill Transfer Points Baghouse Vent	PCS000000000003
EOT0051	SLG-408	Slag Mill Product Silo Baghouse Vent	PCS000000000003
EOT0052	SLG-409	Slag Mill Loading Collector Baghouse Vent	PCS000000000003
FUG0001	PIL-101	Coal Storage Piles	CRG000000000001
FUG0002	PIL-102	Iron Ore Pellet Storage Piles	CRG000000000001
FUG0003	PIL-103	Flux Storage Piles	CRG000000000001
FUG0004	PIL-104	Pig Iron Storage Piles	CRG000000000001
FUG0005	PIL-105	Granulated Slag Storage Piles	CRG000000000001
FUG0006	PIL-106	Sinter Storage Piles	CRG000000000001
FUG0007	PIL-107	Coke Breeze Storage Piles	CRG000000000001
FUG0008	PIL-108	Mill Scale Storage Piles	CRG000000000001
FUG0009	SIN-104	Sinter Plant Fugitive Emissions	PCS000000000001
GRP0001	COK-110	Coke Battery 1 HRSG Bypass Vents Cap	PCS000000000002
GRP0002	COK-210	Coke Battery 2 HRSG Bypass Vents Cap	PCS000000000002
GRP0004	SLG-103	Slag Granulator 1 Cap	PCS000000000003
GRP0005	SLG-107	Blast Furnace 1 Slag Pits Cap	PCS000000000003
GRP0006	SLG-203	Slag Granulator 2 Cap	PCS000000000003
GRP0007	SLG-207	Blast Furnace 2 Slag Pits Cap	PCS000000000003
RLP0001	COK-105	Coke Battery 1 HRSG Bypass Vent Stack 1	GRP000000000001, PCS000000000001
RLP0002	COK-106	Coke Battery 1 HRSG Bypass Vent Stack 2	GRP000000000001, PCS000000000001
RLP0003	COK-107	Coke Battery 1 HRSG Bypass Vent Stack 3	GRP000000000001, PCS000000000001
RLP0004	COK-108	Coke Battery 1 HRSG Bypass Vent Stack 4	GRP000000000001, PCS000000000001
RLP0005	COK-109	Coke Battery 1 HRSG Bypass Vent Stack 5	GRP000000000001, PCS000000000001
RLP0006	COK-111	Coke Battery 1 Flue Gas Desulfurization Stack	PCS000000000002
RLP0007	COK-205	Coke Battery 2 HRSG Bypass Vent Stack 1	GRP000000000002, PCS000000000002
RLP0008	COK-206	Coke Battery 2 HRSG Bypass Vent Stack 2	GRP000000000002, PCS000000000002
RLP0009	COK-207	Coke Battery 2 HRSG Bypass Vent Stack 3	GRP000000000002, PCS000000000002
RLP0010	COK-208	Coke Battery 2 HRSG Bypass Vent Stack 4	GRP000000000002, PCS000000000002
RLP0011	COK-209	Coke Battery 2 HRSG Bypass Vent Stack 5	GRP000000000002, PCS000000000002
RLP0012	COK-211	Coke Battery 2 Flue Gas Desulfurization Stack	PCS000000000002
RLP0014	SLG-402	Slag Mill Dryer Stack	PCS000000000003

NOTE: The UNF group relationship is not printed in this table. Every subject item is a member of the UNF group

INVENTORIES

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Annual Maintenance Fee:

Fee Number	Air Contaminant Source	Multplier	Units Of Measure
1420	C) Electric Power Gen. (Natural Gas Fired) (Rated Capacity)	192	MW
0900	Malleable Iron Foundries A) 3,500 or More Ton/Yr Production		

SIC Codes:

3312	Steel works, blast furnaces, and rolling mills	A157847
3312	Steel works, blast furnaces, and rolling mills	UNF001

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Coke Battery Process Area															
ARE 0001 COK-100							7.19	7.19	31.49						
EQT 0001 COK-101							0.71	0.78	3.11				0.39	0.43	1.73
EQT 0002 COK-102	12.40	13.64	54.31	3.74	4.11	16.38	1.63	1.80	7.16	19.29	21.22	84.48	15.15	16.67	66.37
EQT 0003 COK-103							12.38	13.62	54.23						
EQT 0004 COK-104							2.01	2.01	8.78						
EQT 0005 COK-112							0.01	0.09	0.03						
EQT 0006 COK-113							0.11	1.83	0.48				0.39	0.43	1.73
EQT 0007 COK-201							0.71	0.78	3.11				0.39	0.43	1.73
EQT 0008 COK-202	12.40	13.64	54.31	3.74	4.11	16.38	1.63	1.80	7.16	19.29	21.22	84.48	15.15	16.67	66.37
EQT 0009 COK-203							12.38	13.62	54.23						
EQT 0010 COK-204							2.01	2.01	8.78						
EQT 0011 COK-212							0.01	0.09	0.03						
EQT 0012 COK-213							0.11	1.83	0.48						
EQT 0013 COK-214							0.02	0.04	0.08						
EQT 0014 COK-215							0.22	0.45	0.96						
GRP 0001 COK-110	9.84		7.08	139.73		100.61	339.73		244.60	24.74		541.80	0.05		100
GRP 0002 COK-210	9.84		7.08	139.73		100.61	339.73		244.60	24.74		541.80	0.05		100
RLP 0001 COK-105		10.82			153.70			373.70			752.49			1.53	
RLP 0002 COK-106		10.82			153.70			373.70			752.49			1.53	
RLP 0003 COK-107		10.82			153.70			373.70			752.49			1.53	
RLP 0004 COK-108		10.82			153.70			373.70			752.49			1.53	
RLP 0005 COK-109		10.82			153.70			373.70			752.49			1.53	
RLP 0006 COK-111	9.84	10.82	43.10	139.73	153.70	612.03	3.40	3.74	14.88	306.55	1392.11	1342.68	0.70	0.77	3.05

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Coke Battery Process Area															
RLP 0007 COK-205	10.82		153.70			373.70			752.49						1.53
RLP 0008 cok-206	10.82		153.70			373.70			752.49						1.53
RLP 0009 cok-207	10.82		153.70			373.70			752.49						1.53
RLP 0010 COK-208	10.82		153.70			373.70			752.49						1.53
RLP 0011 cok-209	10.82		153.70			373.70			752.49						1.53
RLP 0012 cok-211	9.84	10.82	43.10	139.73	153.70	62.03	3.40	3.74	14.88	306.55	1392.11	1342.68	0.70	0.77	3.05
Sinter Process Area															
EQT 0031 SIN-101	6208.59	6829.45	27193.6	171.21	188.33	749.88	4.12	6.08	18.06	82.45	121.63	361.14	32.71	35.98	143.26
EQT 0032 SIN-102							16.68	18.35	73.05						
EQT 0033 SIN-103							3.99	4.39	17.49						
EQT 0034 SIN-105							0.004	0.09	0.02						
EQT 0035 SIN-106							0.07	1.83	0.32						
FUG 0009 SIN-104							2.90	3.19	12.68						
Slag Mill Process Area															
ARE 0005 SLG-104	7.39		2.13			27.51			49.70						0.20
ARE 0006 SLG-105	7.39		2.13			27.51			49.70						0.20
ARE 0007 SLG-106	7.39		2.13			27.51			49.70						0.20
ARE 0008 SLG-204	7.39		2.13			27.51			49.70						0.20
ARE 0009 SLG-205	7.39		2.13			27.51			49.70						0.20
ARE 0010 SLG-206	7.39		2.13			27.51			49.70						0.20
ARE 0011 SLG-306							0.84	2.81	3.68						
EQT 0015 CST-101	23.81	28.57	104.28			1.34	1.61	5.88	17.32	20.78	75.84				

EMISSION RATES FOR CRITERIA POLLUTANTS

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Slag Mill Process Area															
EQT 0016 CST-201	23.81	28.57	104.28				1.34	1.61	5.88	17.32	20.78	75.84			
EQT 0036 SLG-101	5.59			0.86				7.48			8.60		0.09		
EQT 0037 SLG-102	5.59			0.86				7.48			8.60		0.09		
EQT 0038 SLG-201	5.59			0.86				7.48			8.60		0.09		
EQT 0039 SLG-202	5.59			0.86				7.48			8.60		0.09		
EQT 0040 SLG-301							0.003	0.06	0.02						
EQT 0041 SLG-302							0.002	0.03	0.01						
EQT 0042 SLG-303							0.01	0.10	0.03						
EQT 0043 SLG-304							0.002	0.03	0.01						
EQT 0044 SLG-305							0.05	0.79	0.22						
EQT 0045 SLG-401							0.01	0.02	0.05						
EQT 0046 SLG-403							1.10	1.61	4.82						
EQT 0047 SLG-404							0.003	0.01	0.02						
EQT 0048 SLG-405							0.22	0.50	0.96						
EQT 0049 SLG-406							3.34	4.88	14.62						
EQT 0050 SLG-407							0.003	0.01	0.02						
EQT 0051 SLG-408							0.12	0.18	0.53						
EQT 0052 SLG-409							0.42	0.55	1.83						
GRP 0004 SLG-103	4.44	19.46	0.68	2.99	5.95		26.04	6.83		29.93	0.07	0.30			
GRP 0005 SLG-107	5.88	2.57	1.69	0.74	21.87		9.58	30.50		17.30	0.16	0.07			
GRP 0006 SLG-203	4.44	19.46	0.68	2.99	5.95		26.04	6.83		29.93	0.07	0.30			
GRP 0007 SLG-207	5.88	2.57	1.69	0.74	21.87		9.58	30.50		17.30	0.16	0.07			
RLP 0014 SLG-402	2.26	3.38	9.88	5.10	7.66	22.35	0.20	0.31	0.89	0.02	0.07	0.15	0.22	0.65	

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER2008001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Entire Facility															
ARE 0002 FUG-101							33.76	50.65	147.89						
ARE 0003 FUG-102							1.02	1.53	4.47						
ARE 0004 FUG-103							5.87	61.90	25.69						
EQT 0017 DOC-101							7.20	26.90	49.61						
EQT 0018 DOC-102							7.20	26.90	49.61						
EQT 0019 DST-101							0.26	0.26	1.70						
EQT 0020 DST-201							0.26	0.26	1.70						
EQT 0021 PG-101							7.08	7.79	31.03						
EQT 0022 PG-102							1.46	1.60	7.01						
EQT 0023 PWR-101	39.55			89.46			5.12			25.08					2.59
EQT 0024 PWR-102	39.55			89.46			5.12			25.08					2.59
EQT 0025 PWR-103	39.55			89.46			5.12			25.08					2.59
EQT 0026 PWR-104	39.55			89.46			5.12			25.08					2.59
EQT 0027 PWR-105	39.55			89.46			5.12			25.08					2.59
EQT 0028 PWR-106	39.55			89.46			5.12			25.08					2.59
EQT 0029 PWR-107	39.55			89.46			5.12			25.08					2.59
EQT 0030 PWR-108	39.55			89.46			5.12			25.08					2.59
EQT 0053 STC-101							0.04	0.04	0.16						
EQT 0054 STC-201							0.04	0.04	0.16						
EQT 0055 SRV-102	0.04	0.05	0.16	0.08	0.12	0.36	0.003	0.01	0.01	<0.01	0.002	0.004	0.01		
EQT 0056 SRV-202	0.04	0.05	0.16	0.08	0.12	0.36	0.003	0.01	0.01	<0.01	0.002	0.004	0.01		
EQT 0057 TNK-101											0.05	11.27	0.20		
EQT 0058 TNK-102											0.001	0.53	0.003		

EMISSION RATES FOR CRITERIA POLLUTANTS

All ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-0-0281-V0
Air - Title V Regular Permit Initial

Subject Item	CO			NOx			PM10			SO2			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year												
Entire Facility															
EQT 0059 TRN-101							0.10	0.67	0.52						
EQT 0060 TWR-101							3.23	4.84	14.14						
EQT 0061 TWR-102							0.42	0.63	1.83						
EOT 0062 TWR-103							0.26	0.39	1.14						
FUG 0001 PL-101							1.94	4.53	8.49						
FUG 0002 PL-102							6.69	17.09	29.32						
FUG 0003 PL-103							8.49	89.79	37.19						
FUG 0004 PL-104							7.09	9.33	31.06						
FUG 0005 PL-105							2.56	5.27	11.20						
FUG 0006 PL-106							3.82	5.20	16.73						
FUG 0007 PL-107							0.98	1.62	4.28						
FUG 0008 PL-108							1.19	2.24	5.23						
GRP 0003 PWR-100	287.65	1259.89	320.21		1402.50	35.68		156.28	78.09		342.04	18.83		82.49	
RLP 0013 PL-101	8.73	8.73	38.23	19.74	19.74	86.47	0.90	0.90	3.95	0.06	0.06	0.27	0.57	0.57	2.50
RLP 0015 STV-101	50.53	90.99	221.30	36.81	66.29	161.23	6.31	10.59	27.62	13.94	42.50	61.07	3.81	5.96	14.49
RLP 0016 STV-201	50.53	90.99	221.30	36.81	66.29	161.23	6.31	10.59	27.62	13.94	42.50	61.07	3.31	5.96	14.49

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote.

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
ARE 0001 COK-100	Total suspended particulate	11.02	11.02	48.29
ARE 0002 FUG-101	Total suspended particulate	126.70	190.05	554.93
ARE 0003 FUG-102	Total suspended particulate	5.23	7.85	22.92
ARE 0004 FUG-103	Total suspended particulate	12.04	130.88	54.32
ARE 0005 SLG-104	Lead compounds		< 0.001	
	Total suspended particulate		40.41	
ARE 0006 SLG-105	Lead compounds		< 0.001	
	Total suspended particulate		40.41	
ARE 0007 SLG-106	Lead compounds		< 0.001	
	Total suspended particulate		40.41	
ARE 0008 SLG-204	Lead compounds		< 0.001	
	Total suspended particulate		40.41	
ARE 0009 SLG-205	Lead compounds		< 0.001	
	Total suspended particulate		40.41	
ARE 0010 SLG-206	Lead compounds		< 0.001	
	Total suspended particulate		40.41	
ARE 0011 SLG-306	Total suspended particulate	2.84	7.33	11.86
EQT 0001 COK-101	Arsenic (and compounds)	< 0.001	< 0.001	< 0.001
	Benzene	0.01	0.01	0.028
	Beryllium (Table 51.1)	< 0.001	< 0.001	< 0.001
	Carbon disulfide	< 0.001	< 0.001	0.002
	Chromium VI (and compounds)	< 0.001	< 0.001	< 0.001
	Cobalt compounds	< 0.001	< 0.001	< 0.001
	Ethyl benzene	< 0.001	< 0.001	0.001
	Manganese (and compounds)	< 0.001	< 0.001	< 0.001
	Mercury (and compounds)	< 0.001	< 0.001	< 0.001
	Methyl chloride	< 0.001	< 0.001	0.002
	Naphthalene	0.004	0.005	0.018
	Nickel (and compounds)	< 0.001	< 0.001	< 0.001
	Polynuclear Aromatic Hydrocarbons	0.004	0.004	0.016
	Toluene	0.003	0.003	0.013
	Total suspended particulate	1.45	1.60	6.35
	Xylene (mixed isomers)	0.001	0.001	0.005
EQT 0002 COK-102	1,1,2,2-Tetrachloroethane	0.015	0.015	0.067

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0002 COK-102	1,4-Dioxane	0.031	0.031	0.138
	Acetonitrile	0.018	0.018	0.080
	Acrolein	0.020	0.020	0.088
	Acrylonitrile	0.090	0.090	0.394
	Ammonia	2.36	2.36	10.34
	Antimony (and compounds)	< 0.001	< 0.001	< 0.001
	Arsenic (and compounds)	0.002	0.002	0.008
	Banum (and compounds)	0.003	0.003	0.012
	Benzene	6.30	6.30	27.58
	Beryllium (Table 51.1)	< 0.001	< 0.001	< 0.001
	Cadmium (and compounds)	< 0.001	< 0.001	< 0.001
	Chromium VI (and compounds)	0.001	0.001	0.004
	Cobalt compounds	< 0.001	< 0.001	0.001
	Copper (and compounds)	0.002	0.002	0.007
	Cyanide compounds	0.126	0.126	0.55
	Dichloromethane	0.002	0.002	0.007
	Lead compounds	0.003	0.003	0.013
	Manganese (and compounds)	0.002	0.002	0.009
	Mercury (and compounds)	< 0.001	< 0.001	< 0.001
	Methanol	0.016	0.016	0.071
	Methyl ethyl ketone	0.026	0.026	0.113
	Methyl isobutyl ketone	0.036	0.036	0.157
	Methyl methacrylate	0.036	0.036	0.157
	Nickel (and compounds)	0.002	0.002	0.010
	Phenol	1.32	1.32	5.80
	Phosphorus	0.005	0.005	0.024
	Polynuclear Aromatic Hydrocarbons	0.59	0.59	2.59
	Selenium (and compounds)	0.001	0.001	0.002
	Styrene	0.010	0.010	0.042
	Toluene	0.010	0.010	0.043
	Total suspended particulate	3.78	4.15	16.53
	Vinyl acetate	0.031	0.031	0.135
	Zinc (and compounds)	0.007	0.007	0.030
EQT 0003 COK-103	Total suspended particulate	53.14	58.33	232.74

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0004 COK-104	Total suspended particulate	2.03	2.03	8.89
EQT 0005 COK-112	Total suspended particulate	0.01	0.14	0.05
EQT 0006 COK-113	Total suspended particulate	0.11	1.83	0.48
EQT 0007 COK-201	Arsenic (and compounds)	< 0.001	< 0.001	< 0.001
	Benzene	0.01	0.01	0.028
	Beryllium (Table 51.1)	< 0.001	< 0.001	< 0.001
	Carbon disulfide	< 0.001	< 0.001	0.002
	Chromium VI (and compounds)	< 0.001	< 0.001	< 0.001
	Cobalt compounds	< 0.001	< 0.001	< 0.001
	Ethyl benzene	< 0.001	< 0.001	0.001
	Manganese (and compounds)	< 0.001	< 0.001	< 0.001
	Mercury (and compounds)	< 0.001	< 0.001	< 0.001
	Methyl chloride	< 0.001	< 0.001	0.002
	Naphthalene	0.004	0.005	0.018
	Nickel (and compounds)	< 0.001	< 0.001	< 0.001
	Polynuclear Aromatic Hydrocarbons	0.004	0.004	0.016
	Toluene	0.003	0.003	0.013
EQT 0008 COK-202	Total suspended particulate	1.45	1.60	6.35
	Xylene (mixed isomers)	0.001	0.001	0.005
	1,1,2,2-Tetrachloroethane	0.015	0.015	0.067
	1,4-Dioxane	0.031	0.031	0.138
	Acetonitrile	0.018	0.018	0.080
	Acrolein	0.020	0.020	0.088
	Acrylonitrile	0.090	0.090	0.394
	Ammonia	2.36	2.36	10.34
	Antimony (and compounds)	< 0.001	< 0.001	< 0.001
	Arsenic (and compounds)	0.002	0.002	0.008
	Barium (and compounds)	0.003	0.003	0.012
	Beryllium (Table 51.1)	< 0.001	< 0.001	< 0.001
	Cadmium (and compounds)	< 0.001	< 0.001	< 0.001
	Chromium VI (and compounds)	0.001	0.001	0.004
	Cobalt compounds	< 0.001	< 0.001	0.001
	Copper (and compounds)	0.002	0.002	0.007
	Cyanide compounds	0.126	0.126	0.55

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AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0008 COK-202	Dichloromethane	0.002	0.002	0.007
	Lead compounds	0.003	0.003	0.013
	Manganese (and compounds)	0.002	0.002	0.009
	Mercury (and compounds)	< 0.001	< 0.001	< 0.001
	Methanol	0.016	0.016	0.071
	Methyl ethyl ketone	0.026	0.026	0.113
	Methyl isobutyl ketone	0.036	0.036	0.157
	Methyl methacrylate	0.036	0.036	0.157
	Nickel (and compounds)	0.002	0.002	0.010
	Phenol	1.32	1.32	5.80
	Phosphorus	0.005	0.005	0.024
	Polynuclear Aromatic Hydrocarbons	0.59	0.59	2.59
	Selenium (and compounds)	0.001	0.001	0.002
	Styrene	0.010	0.010	0.042
	Toluene	0.010	0.010	0.043
	Total suspended particulate	3.78	4.15	16.53
	Vinyl acetate	0.031	0.031	0.135
	Zinc (and compounds)	0.007	0.007	0.030
EQT 0009 COK-203	Total suspended particulate	53.14	58.33	232.74
EQT 0010 COK-204	Total suspended particulate	2.03	2.03	8.89
EQT 0011 COK-212	Total suspended particulate	0.01	0.14	0.05
EQT 0012 COK-213	Total suspended particulate	0.11	1.83	0.48
EQT 0013 COK-214	Total suspended particulate	0.04	0.08	0.18
EQT 0014 COK-215	Total suspended particulate	0.63	1.30	2.76
EQT 0015 CST-101	Total suspended particulate	5.63	6.75	24.65
EQT 0016 CST-201	Total suspended particulate	5.63	6.75	24.65
EQT 0017 DOC-101	Total suspended particulate	15.22	56.87	104.89
EQT 0018 DOC-102	Total suspended particulate	15.22	56.87	104.89
EQT 0019 DST-101	Total suspended particulate	0.55	0.55	3.59
EQT 0020 DST-201	Total suspended particulate	0.55	0.55	3.59
EQT 0021 PIG-101	Total suspended particulate	7.08	7.79	31.03
EQT 0022 PIG-102	Total suspended particulate	2.85	3.14	13.75
EQT 0023 PWR-101	Lead compounds		< 0.001	
	Total suspended particulate		5.12	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0024 PWR-102	Lead compounds		< 0.001	
	Total suspended particulate		5.12	
EQT 0025 PWR-103	Lead compounds		< 0.001	
	Total suspended particulate		5.12	
EQT 0026 PWR-104	Lead compounds		< 0.001	
	Total suspended particulate		5.12	
EOT 0027 PWR-105	Lead compounds		< 0.001	
	Total suspended particulate		5.12	
EQT 0028 PWR-106	Lead compounds		< 0.001	
	Total suspended particulate		5.12	
EQT 0029 PWR-107	Lead compounds		< 0.001	
	Total suspended particulate		5.12	
EQT 0030 PWR-108	Lead compounds		< 0.001	
	Total suspended particulate		5.12	
EQT 0031 SIN-101	Arsenic (and compounds)	0.001	0.001	< 0.01
	Cadmium (and compounds)	0.02	0.02	0.09
	Chromium VI (and compounds)	0.003	0.003	0.01
	Copper (and compounds)	0.01	0.01	0.04
	Hydrochloric acid	0.03	0.03	0.13
	Hydrofluoric acid	0.02	0.02	0.07
	Lead compounds	0.03	0.03	0.11
	Mercury (and compounds)	< 0.001	< 0.001	< 0.01
	Nickel (and compounds)	0.006	0.007	0.03
	Total suspended particulate	4.12	6.08	18.06
EQT 0032 SIN-102	Zinc (and compounds)	0.46	0.51	2.01
	Total suspended particulate	16.68	18.35	73.05
EQT 0033 SIN-103	Total suspended particulate	3.99	4.39	17.49
EQT 0034 SIN-105	Total suspended particulate	0.010	0.14	0.03
EQT 0035 SIN-106	Total suspended particulate	0.07	1.83	0.32
EQT 0036 SLG-101	Lead compounds		< 0.001	
	Total suspended particulate		7.48	
EQT 0037 SLG-102	Lead compounds		< 0.001	
	Total suspended particulate		7.48	
EQT 0038 SLG-201	Lead compounds		< 0.001	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
EQT 0038 SLG-201	Total suspended particulate		7.48	
EQT 0039 SLG-202	Lead compounds		< 0.001	
	Total suspended particulate		7.48	
EQT 0040 SLG-301	Total suspended particulate	0.01	0.12	0.03
EQT 0041 SLG-302	Total suspended particulate	0.004	0.06	0.02
EQT 0042 SLG-303	Total suspended particulate	0.02	0.28	0.07
EQT 0043 SLG-304	Total suspended particulate	0.004	0.06	0.02
EQT 0044 SLG-305	Total suspended particulate	0.21	3.31	0.90
EQT 0045 SLG-401	Total suspended particulate	0.03	0.04	0.11
EQT 0046 SLG-403	Total suspended particulate	1.79	2.62	7.85
EQT 0047 SLG-404	Total suspended particulate	0.01	0.02	0.05
EQT 0048 SLG-405	Total suspended particulate	0.50	1.03	2.21
EQT 0049 SLG-408	Total suspended particulate	4.74	6.93	20.76
EQT 0050 SLG-407	Total suspended particulate	0.01	0.02	0.05
EQT 0051 SLG-408	Total suspended particulate	0.75	1.09	3.27
EQT 0052 SLG-409	Total suspended particulate	1.49	1.98	6.55
EQT 0053 STC-101	Total suspended particulate	0.08	0.08	0.35
EQT 0054 STC-201	Total suspended particulate	0.08	0.08	0.36
EQT 0055 STV-102	Lead compounds	< 0.001	< 0.001	< 0.01
	Total suspended particulate	0.003	0.01	0.01
EQT 0056 STV-202	Lead compounds	< 0.001	< 0.001	< 0.01
	Total suspended particulate	0.003	0.01	0.01
EQT 0059 TRN-101	Total suspended particulate	0.22	1.41	1.10
EQT 0060 TWR-101	Total suspended particulate	3.23	4.84	14.14
EQT 0061 TWR-102	Total suspended particulate	0.42	0.63	1.83
EQT 0062 TWR-103	Total suspended particulate	0.26	0.39	1.14
FUG 0001 PIL-101	Total suspended particulate	9.38	17.50	41.07
FUG 0002 PIL-102	Total suspended particulate	25.55	53.22	111.90
FUG 0003 PIL-103	Total suspended particulate	20.03	192.95	87.73
FUG 0004 PIL-104	Total suspended particulate	17.06	22.83	74.73
FUG 0005 PIL-105	Total suspended particulate	9.20	15.77	40.31
FUG 0006 PIL-106	Total suspended particulate	9.78	13.54	42.83
FUG 0007 PIL-107	Total suspended particulate	3.78	6.00	16.57
FUG 0008 PIL-108	Total suspended particulate	4.46	7.64	19.53

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
FUG 0009 SIN-104	Total suspended particulate	2.90	3.19	12.68
GRP 0001 COK-110	1,1,1-Trichloroethane	< 0.001		< 0.001
	1,1,2,2-Tetrachloroethane	< 0.001		< 0.001
	1,1,2-Trichloroethane	< 0.001		< 0.001
	Antimony (and compounds)	0.005		0.004
	Arsenic (and compounds)	0.051		0.037
	Barium (and compounds)	0.005		0.004
	Benzene	0.019		0.014
	Beryllium (Table 51.1)	0.001		0.001
	Bromoform	< 0.001		< 0.001
	Cadmium (and compounds)	0.007		0.005
	Carbon disulfide	0.001		< 0.001
	Chlorobenzene	< 0.001		< 0.001
	Chloroform	< 0.001		< 0.001
	Chromium VI (and compounds)	0.025		< 0.018
	Copper (and compounds)	0.110		0.079
	Cumene	< 0.001		< 0.001
	Dichloromethane	< 0.026		< 0.019
	Ethyl benzene	< 0.001		< 0.001
	Lead compounds	0.122		0.088
	Manganese (and compounds)	0.012		0.009
	Mercury (and compounds)	0.013		0.009
	Methyl Tertiary Butyl Ether	< 0.001		< 0.001
	Methyl bromide	0.022		0.016
	Methyl chloride	0.030		0.022
	Methyl ethyl ketone	< 0.002		0.002
	Methyl isobutyl ketone	< 0.001		< 0.001
	Naphthalene	< 0.011		0.008
	Nickel (and compounds)	0.023		< 0.016
	Phenol	0.003		0.002
	Polynuclear Aromatic Hydrocarbons	< 0.001		< 0.001
	Selenium (and compounds)	< 0.013		0.009
	Styrene	< 0.001		< 0.001
	Toluene	0.020		0.014

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0001 COK-110	Total suspended particulate	354.25		255.06
	Vinyl acetate	< 0.001		< 0.001
	Xylene (mixed isomers)	0.001		< 0.001
	Zinc (and compounds)	0.201		0.145
	n-Hexane	0.001		< 0.001
GRP 0002 COK-210	1,1,1-Trichloroethane	< 0.001		< 0.001
	1,1,2,2-Tetrachloroethane	< 0.001		< 0.001
	1,1,2-Trichloroethane	< 0.001		< 0.001
	Antimony (and compounds)	0.005		0.004
	Arsenic (and compounds)	0.051		0.037
	Barium (and compounds)	0.005		0.004
	Benzene	0.019		0.014
	Beryllium (Table 51.1)	0.001		0.001
	Bromoform	< 0.001		< 0.001
	Cadmium (and compounds)	0.007		0.005
	Carbon disulfide	0.001		< 0.001
	Chlorobenzene	< 0.001		< 0.001
	Chloroform	< 0.001		< 0.001
	Chromium VI (and compounds)	0.025		< 0.018
	Copper (and compounds)	0.110		0.079
	Cumene	< 0.001		< 0.001
	Dichloromethane	< 0.026		< 0.019
	Ethyl benzene	< 0.001		< 0.001
	Lead compounds	0.122		0.088
	Manganese (and compounds)	0.012		0.009
	Mercury (and compounds)	0.013		0.009
	Methyl Tertiary Butyl Ether	< 0.001		< 0.001
	Methyl bromide	0.022		0.016
	Methyl chloride	0.030		0.022
	Methyl ethyl ketone	< 0.002		0.002
	Methyl isobutyl ketone	< 0.001		< 0.001
	Naphthalene	< 0.011		0.008
	Nickel (and compounds)	0.023		< 0.016
	Phenol	0.003		0.002

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
GRP 0002 COK-210	Polynuclear Aromatic Hydrocarbons	< 0.001		< 0.001
	Selenium (and compounds)	< 0.013		0.009
	Styrene	< 0.001		< 0.001
	Toluene	0.020		0.014
	Total suspended particulate	354.25		255.06
	Vinyl acetate	< 0.001		< 0.001
	Xylene (mixed isomers)	0.001		< 0.001
	Zinc (and compounds)	0.201		0.145
	n-Hexane	0.001		< 0.001
GRP 0003 PWR-100	Lead compounds	0.002		0.01
	Total suspended particulate	35.68		156.28
GRP 0004 SLG-103	Lead compounds	< 0.001		< 0.001
				< 0.01
	Total suspended particulate	5.95		26.04
GRP 0005 SLG-107	Lead compounds	< 0.001		< 0.01
	Total suspended particulate	32.21		14.07
GRP 0006 SLG-203	Lead compounds	< 0.001		< 0.001
	Total suspended particulate	5.95		26.04
GRP 0007 SLG-207	Lead compounds	< 0.001		< 0.01
	Total suspended particulate	32.12		14.07
RLP 0001 COK-105	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0001 COK-105	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
RLP 0002 COK-106	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0002 COK-106	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
	Total suspended particulate		389.67	
RLP 0003 COK-107	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0003 COK-107	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
RLP 0004 COK-108	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
RLP 0004 COK-108	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0004 COK-108	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0004 COK-108	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
RLP 0005 COK-109	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0005 COK-109	Toluene		0.022	
	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
RLP 0006 COK-111	1,1,1-Trichloroethane	< 0.001	0.001	0.002
	1,1,2,2-Tetrachloroethane	< 0.001	< 0.001	0.002
	1,1,2-Trichloroethane	< 0.001	< 0.001	< 0.001
	Antimony (and compounds)	< 0.001	0.028	0.001
	Arsenic (and compounds)	0.003	0.028	0.011
	Barium (and compounds)	< 0.001	< 0.028	0.001
	Benzene	0.09	0.10	0.41
	Beryllium (Table 51.1)	< 0.001	0.004	< 0.001
	Bromoform	< 0.001	< 0.001	0.001
	Cadmium (and compounds)	< 0.001	0.04	0.002
	Carbon disulfide	0.003	0.003	0.014
	Chlorobenzene	< 0.001	< 0.001	0.001
	Chloroform	0.002	0.002	0.009
	Chromium VI (and compounds)	0.001	0.136	0.005
	Copper (and compounds)	0.006	0.61	0.024
	Cumene	< 0.001	< 0.001	0.001
	Dichloromethane	0.13	0.14	0.57
	Ethyl benzene	0.001	0.001	0.003
	Lead compounds	0.006	0.67	0.027
	Manganese (and compounds)	0.001	0.065	0.003
	Mercury (and compounds)	0.026	0.07	0.114
	Methyl Tertiary Butyl Ether	< 0.001	< 0.001	< 0.01
	Methyl bromide	0.11	0.12	0.48
	Methyl chloride	0.15	0.17	0.66
	Methyl ethyl ketone	0.01	0.01	0.05
	Methyl isobutyl ketone	0.002	0.002	0.01
	Naphthalene	0.05	0.06	0.23
	Nickel (and compounds)	0.001	0.126	0.005

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0006 COK-111	Phenol	0.01	0.02	0.06
	Polynuclear Aromatic Hydrocarbons	< 0.001	< 0.001	< 0.01
	Selenium (and compounds)	0.001	0.069	0.003
	Styrene	0.001	0.001	0.01
	Toluene	0.10	0.11	0.44
	Total suspended particulate	3.54	3.90	15.52
	Vinyl acetate	0.001	0.001	0.01
	Xylene (mixed isomers)	0.003	'0.004	0.01
	Zinc (and compounds)	0.010	1.10	0.044
	n-Hexane	0.003	0.003	0.01
RLP 0007 COK-205	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Banum (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

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Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0007 COK-205	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
RLP 0008 COK-208	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AJ ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0008 COK-206	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
RLP 0009 COK-207	Xylene (mixed isomers)		0.001	
	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0009 COK-207	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
RLP 0010 COK-208	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	
	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

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Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0010 COK-208	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
RLP 0011 COK-208	Zinc (and compounds)		0.221	
	n-Hexane		0.001	
	1,1,1-Trichloroethane		< 0.001	
	1,1,2,2-Tetrachloroethane		< 0.001	
	1,1,2-Trichloroethane		< 0.001	
	Antimony (and compounds)		0.006	
	Arsenic (and compounds)		0.056	
	Barium (and compounds)		0.006	
	Benzene		0.021	
	Beryllium (Table 51.1)		0.001	

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

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Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0011 COK-209	Bromoform		< 0.001	
	Cadmium (and compounds)		0.008	
	Carbon disulfide		0.001	
	Chlorobenzene		< 0.001	
	Chloroform		< 0.001	
	Chromium VI (and compounds)		0.027	
	Copper (and compounds)		0.121	
	Cumene		< 0.001	
	Dichloromethane		0.029	
	Ethyl benzene		< 0.001	
	Lead compounds		0.134	
	Manganese (and compounds)		0.013	
	Mercury (and compounds)		0.014	
	Methyl Tertiary Butyl Ether		< 0.001	
	Methyl bromide		0.024	
	Methyl chloride		0.033	
	Methyl ethyl ketone		0.003	
	Methyl isobutyl ketone		< 0.001	
	Naphthalene		0.012	
	Nickel (and compounds)		0.025	
	Phenol		0.003	
	Polynuclear Aromatic Hydrocarbons		< 0.001	
	Selenium (and compounds)		0.014	
	Styrene		< 0.001	
	Toluene		0.022	
RLP 0012 COK-211	Total suspended particulate		389.67	
	Vinyl acetate		< 0.001	
	Xylene (mixed isomers)		0.001	
	Zinc (and compounds)		0.221	
RLP 0012 COK-211	n-Hexane		0.001	
	1,1,1-Trichloroethane	< 0.001	0.001	< 0.01
	1,1,2,2-Tetrachloroethane	< 0.001	< 0.001	< 0.01
	1,1,2-Trichloroethane	< 0.001	< 0.001	< 0.01
RLP 0012 COK-211	Antimony (and compounds)	< 0.001	0.028	< 0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0012 COK-211	Arsenic (and compounds)	0.003	0.028	0.01
	Barium (and compounds)	< 0.001	< 0.028	< 0.01
	Benzene	0.09	0.10	0.41
	Beryllium (Table 51.1)	< 0.001	0.004	< 0.001
	Bromoform	< 0.001	< 0.001	< 0.01
	Cadmium (and compounds)	< 0.001	0.04	< 0.01
	Carbon disulfide	0.003	0.003	0.01
	Chlorobenzene	< 0.001	< 0.001	< 0.01
	Chloroform	0.002	0.002	0.01
	Chromium VI (and compounds)	0.001	0.136	0.005
	Copper (and compounds)	0.006	0.61	0.024
	Cumene	< 0.001	< 0.001	< 0.01
	Dichloromethane	0.13	0.14	0.57
	Ethyl benzene	0.001	0.001	< 0.01
	Lead compounds	0.006	0.67	0.027
	Manganese (and compounds)	0.001	0.065	0.003
	Mercury (and compounds)	0.026	0.07	0.114
	Methyl Tertiary Butyl Ether	< 0.001	< 0.001	< 0.01
	Methyl bromide	0.11	0.12	0.48
	Methyl chloride	0.15	0.17	0.66
	Methyl ethyl ketone	0.01	0.01	0.05
	Methyl isobutyl ketone	0.002	0.002	0.01
	Naphthalene	0.05	0.06	0.23
	Nickel (and compounds)	0.001	0.126	0.005
	Phenol	0.01	0.02	0.06
	Polynuclear Aromatic Hydrocarbons	< 0.001	< 0.001	< 0.01
	Selenium (and compounds)	0.001	0.069	0.003
	Styrene	0.001	0.001	0.01
	Toluene	0.10	0.11	0.44
	Total suspended particulate	3.54	3.90	15.52
	Vinyl acetate	0.001	0.001	0.01
	Xylene (mixed isomers)	0.003	0.004	0.01
	Zinc (and compounds)	0.010	1.10	0.044
	n-Hexane	0.003	0.003	0.01

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
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 Air - Title V Regular Permit Initial

Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
RLP 0013 PCI-101	Lead compounds	< 0.001	< 0.001	< 0.01
	Total suspended particulate	1.02	1.02	4.49
RLP 0014 SLG-402	Total suspended particulate	0.20	0.31	0.89
RLP 0015 STV-101	Lead compounds	< 0.001	< 0.001	< 0.01
	Total suspended particulate	6.31	10.59	27.62
RLP 0016 STV-201	Lead compounds	< 0.001	< 0.001	< 0.01
	Total suspended particulate	6.31	10.59	27.62
UNF 0001 Nucor	1,1,1-Trichloroethane			< 0.01
	1,1,2,2-Tetrachloroethane			0.14
	1,1,2-Trichloroethane			< 0.01
	1,4-Dioxane			0.28
	Acetonitrile			0.16
	Acrolein			0.18
	Acrylonitrile			0.79
	Ammonia			20.68
	Antimony (and compounds)			0.012
	Arsenic (and compounds)			0.124
	Barium (and compounds)			0.034
	Benzene			56.05
	Beryllium (Table 51.1)			0.003
	Bromoform			< 0.01
	Cadmium (and compounds)			0.11
	Carbon disulfide			0.03
	Chlorobenzene			< 0.01
	Chloroform			0.02
	Chromium VI (and compounds)			0.066
	Cobalt compounds			< 0.01
	Copper (and compounds)			0.260
	Cumene			< 0.01
	Cyanide compounds			1.11
	Dichloromethane			1.32
	Ethyl benzene			< 0.01
	Hydrochloric acid			0.13
	Hydrofluoric acid			0.07

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

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Activity Number: PER20080001

Permit Number: 2560-00281-V0

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Emission Pt.	Pollutant	Avg lb/hr	Max lb/hr	Tons/Year
UNF 0001 Nucor	Lead compounds			0.375
	Manganese (and compounds)			0.044
	Mercury (and compounds)			0.260
	Methanol			0.14
	Methyl Tertiary Butyl Ether			< 0.01
	Methyl bromide			0.99
	Methyl chloride			1.36
	Methyl ethyl ketone			0.34
	Methyl isobutyl ketone			0.31
	Methyl methacrylate			0.31
	Naphthalene			0.52
	Nickel (and compounds)			0.094
	Phenol			11.73
	Polynuclear Aromatic Hydrocarbons			5.21
	Selenium (and compounds)			0.028
	Styrene			0.10
	Toluene			1.02
	Total suspended particulate			3012.55
	Vinyl acetate			0.28
	Xylene (mixed isomers)			0.04
	Zinc (and compounds)			2.45
	n-Hexane			0.46

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals unless otherwise noted in a footnote. Emission rates attributed to the UNF reflect the sum of the TAP/HAP limits of the individual emission points (or caps) under this permit, but do not constitute an emission cap.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-Y0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**PCS0002 Coke Battery Process Area**

Group Members: ARE0001 EQT0001 EQT0002 EQT0003 EQT0004 EQT0005 EQT0006 EQT0007 EQT0008 EQT0009 EQT0010 EQT0011 EQT0012 EQT0013 EQT0014 GRP0001 GRP0002 RLP0001 RLP0002 RLP0003 RLP0004 RLP0005 RLP0006 RLP0007 RLP0008 RLP0009 RLP0010 RLP0011 RLP0012

- 1 [40 CFR 63.303(b)(1)(ii)] Pressure monitored by pressure instrument daily for each day of operation. Monitor the pressure in each oven or in a common battery tunnel to ensure that the ovens are operated under a negative pressure. Subpart L. [40 CFR 63.303(b)(1)(ii)] Which Months: All Year Statistical Basis: None specified Pressure recordkeeping by electronic or hard copy daily for each day of operation. Subpart L. [40 CFR 63.303(b)(1)(ii)] Topside port lids: Coke oven emissions <= 0 percent leaking, as determined according to the procedures in 40 CFR 63.309(d)(1). Subpart L. [40 CFR 63.303(b)(4)] Which Months: All Year Statistical Basis: None specified Offrake system(s): Coke oven emissions <= 0 percent leaking, as determined according to the procedures in 40 CFR 63.309(d)(1). Subpart L. [40 CFR 63.303(b)(5)] Which Months: All Year Statistical Basis: None specified Be in compliance with the emission limitations, work practice standards, and operation and maintenance requirements in 40 CFR 63 Subpart CCCCC at all times, except during periods of startup, shutdown, and malfunction as defined in 40 CFR 63.2. Subpart CCCCC. [40 CFR 63.7310(a)] Develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3). Subpart CCCCC. [40 CFR 63.7310(c)] Report each instance in which an applicable emission limitations were not met, including periods of startup, shutdown, and malfunction. Also report each instance in which an applicable work practice standard or operation and maintenance requirement was not met. Subpart CCCCC. [40 CFR 63.7336(a)] Submit all applicable notifications in 40 CFR 63.6(h)(4) and (h)(5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) by the specified dates. Subpart CCCCC. [40 CFR 63.7340(a)] Submit notification of intent to conduct a performance test: Due at least 60 calendar days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). Subpart CCCCC. [40 CFR 63.7340(d)] Submit notification of compliance status: Due before the close of business on the 30th calendar day following the completion of the initial compliance demonstration, for each initial compliance demonstration that does not include a performance test. Subpart CCCCC. [40 CFR 63.7340(e)] Submit notification of compliance status: Due before the close of business on the 60th calendar day following completion of the performance test according to 40 CFR 63.10(d)(2), for each initial compliance demonstration that does include a performance test. Subpart CCCCC. [40 CFR 63.7340(e)] Submit compliance status report: Due semiannually, by the 31st of January and July, for all sources except battery stacks. Include the information in 40 CFR 7341(c). Subpart CCCCC. [40 CFR 63.7341(a)] Submit startup, shutdown, and malfunction report: Due immediately according to the requirements in 40 CFR 63.10(d)(5)(ii) if there was a startup, shutdown, or malfunction during the semianual reporting period that was not consistent with the startup, shutdown, and malfunction plan. Subpart CCCCC. [40 CFR 63.7341(d)]
- 11 [40 CFR 63.7340(e)]
- 12 [40 CFR 63.7341(a)]
- 13 [40 CFR 63.7341(d)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-002B1-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**PCS0002 Coke Battery Process Area**

- 14 [40 CFR 63.7341(e)] Report all deviations as defined in 40 CFR 63 Subpart CCCCCC in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A).
 Subpart CCCCCC. [40 CFR 63.7341(e)]
 Keep records in a form suitable and readily available for expedited review, according to 40 CFR 63.10(b)(1). Subpart CCCCCC. [40 CFR 63.7343(a)]
- 15 [40 CFR 63.7343(a)] Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Subpart CCCCCC. [40 CFR 63.7343(b)]
- 16 [40 CFR 63.7343(b)] Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1). The remaining three years may be kept offsite. Subpart CCCCCC. [40 CFR 63.7343(c)]
- 17 [40 CFR 63.7343(c)] Sulfur <= 1.0 % by weight average concentration in the coal. Determined as BACT.
 Which Months: All Year Statistical Basis: 6 Month rolling average
- 18 [LAC 33.III.509]
- ARE0001 Coke Ovens Coal Handling, Crushing, and Compacting**
- 19 [40 CFR 60.252(e)] Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(c)]
 Which Months: All Year Statistical Basis: None specified
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards (Opacity) in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]
 Total suspended particulate <= 66.12 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.501.C.6]
- 20 [40 CFR 60.254(a)] Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 21 [40 CFR 60.254(b)] Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 22 [LAC 33.III.1311.B]
- 23 [LAC 33.III.1311.C]
- 24 [LAC 33.III.501.C.6]
- 25 [LAC 33.III.507.H.1.a]
- 26 [LAC 33.III.507.H.1.a]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001
 Permit Number: 2560-00281-Y0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**ARE0001 Coke Ovens Coal Handling, Crushing, and Compacting**

27 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

28 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

29 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily during operations. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

30 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

31 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

32 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, g/r/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

33 [LAC 33:III.509]

BACT is also selected as collection and control by fabric filters.

EQT0001 Coke Battery 1 Coal Charging

34 [40 CFR 63.303(b)(3)]

Charging: Implement, for each day of operation, the work practices specified in 40 CFR 63.306(b)(6) and record the performance of the work practices as required in 40 CFR 63.306(b)(7). Subpart L. [40 CFR 63.303(o)(3)] Observe each coke oven door after charging and record the oven number of any door from which visible emissions occur. Subpart L. [40 CFR 63.303(c)(1)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0001 Coke Battery 1 Coal Charging**

- 36 [40 CFR 63.303(c)(2)] Take corrective action and stop a leak within 15 minutes from the time the leak is first observed, except as provided in 40 CFR 63.303(c)(2)(i) and (c)(2)(ii), if a coke oven door leak is observed at any time during the coking cycle. No additional leaks are allowed from doors on that oven for the remainder of that oven's coking cycle. Subpart L. [40 CFR 63.303(c)(2)]
- 37 [40 CFR 63.303(d)(1)] Charging fugitive emissions: Opacity <= 20 percent, as determined by the procedures in 40 CFR 63.309(j). Subpart L. [40 CFR 63.303(d)(1)]
- 38 [40 CFR 63.303(d)(2)] Which Months: All Year Statistical Basis: None specified Charging: Particulate matter (10 microns or less) <= 0.0081 lb/ton of dry coal charged. BACT was determined to be Compacted Coal as an Inherently Lower Polluting Process or Practice, as described in Section IV.A.3 of USEPA's New Source Review Workshop Manual published in October, 1990. Therefore a Permit Shield is granted that compliance with the emission limitation requirement shall not be determined by the procedures in 40 CFR 63.309(k). Compliance shall be determined with other applicable procedures described in 40 CFR 63.309(a) through (m), and 40 CFR 63.7300(a) for Subpart CCCC. Subpart L. [40 CFR 63.303(d)(2)]
- 39 [40 CFR 63.303(d)(3)] Which Months: All Year Statistical Basis: None specified Visible emissions monitored by visual inspection/determination daily during charging. If any visible emissions are observed, take corrective action to eliminate the presence of visible emissions, record the cause of the problem creating the visible emissions and the corrective action taken, conduct visible emission observations according to the procedures in 40 CFR 63.309(m) within 24 hours after detecting the visible emissions, report any 6-minute average, as determined according to the procedures in 40 CFR 63.311(d). Subpart L. [40 CFR 63.303(d)(3)]
- 40 [40 CFR 63.303(d)(3)] Which Months: All Year Statistical Basis: None specified Visible emissions recordkeeping by electronic or hard copy daily during charging. Subpart L. [40 CFR 63.303(d)(3)]
- 41 [40 CFR 63.309] Conduct performance tests according to the test methods and procedures specified in 40 CFR 63.309(a) through (m), as applicable. Subpart L.
- 42 [LAC 33:III.1311.B] Total suspended particulate <= 58.33 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 43 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 44 [LAC 33:III.509] Which Months: All Year Statistical Basis: Six-minute average BACT for coal charging operations is determined to be the combination of negative pressure ovens and Compacted Coal Charging, which represent Inherently Lower Polluting Processes. Compacting will occur in an enclosure vented to a baghouse.
- 45 [LAC 33:III.509] Coal compacting building baghouse Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.507.H.1.a, LAC 33:III.509]
- 46 [LAC 33:III.5107.A.2] Which Months: All Year Statistical Basis: None specified Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 47 [LAC 33:III.5109.A.1] Compliance with NESHAP 40 CFR 63 Subpart L has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

EQT0002 Coke Battery 1 Coke Pushing

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER2008001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0002 Coke Battery 1 Coke Pushing**

- 48 [40 CFR 63.306(a)] Prepare and submit a written emission control work practice plan for each coke oven battery. Ensure that the plan is designed to achieve compliance with visible emission limitations for coke oven doors, topside port lids, offflame systems, and charging operations under 40 CFR 63 Subpart L. Address in the plan each of the topics specified in 40 CFR 63.306(b)(6) in sufficient detail and with sufficient specificity to allow DEQ to evaluate the plan for completeness and enforceability. Submit work practice plan to DEQ. Subpart L. [40 CFR 63.306(a)]
- 49 [40 CFR 63.7290(a)(4)] Particulate matter (10 microns or less) $\leq 0.04 \text{ lb/ton of coke}$. Subpart CCCCC. [40 CFR 63.7290(a)(4)]
- 50 [40 CFR 63.7300(a)] Which Months: All Year Statistical Basis: None specified Always operate and maintain the affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR 63 Subpart CCCCC. Subpart CCCCC. [40 CFR 63.7300(a)]
- 51 [40 CFR 63.7300(c)] Prepare and operate at all times according to a written operation and maintenance plan. Address at a minimum the elements in 40 CFR 63.7300(c)(1) through (c)(3). Subpart CCCCC. [40 CFR 63.7300(c)]
- 52 [40 CFR 63.7321] Conduct subsequent performance tests no less frequently than twice (at mid-term and renewal) during each term of the title V operating permit.
- 53 [40 CFR 63.7322(b)] Subpart CCCCC.
- 54 [40 CFR 63.7334(c)] Demonstrate compliance with a process-weighted mass rate of particulate matter (lb/ton of coke) by following the test methods and procedures in 40 CFR 63.7322(b)(1) through (b)(4). Subpart CCCCC. [40 CFR 63.7322(b)]
- 55 [40 CFR 63.7335(b)(1)] Demonstrate continuous compliance by maintaining records that document each visual inspection of an oven prior to pushing and that the oven was not pushed unless there was no smoke in the open space above the coke bed and there was an unobstructed view of the door on the opposite side of the oven. Subpart CCCCC. [40 CFR 63.7334(c)]
- 56 [40 CFR 63.7335(b)(2)] Make monthly inspections of capture systems according to 40 CFR 63.7300(c)(1) and record all information needed to document conformance with these requirements. BACT has determined that the capture system is compacted coal pushed onto a traveling flat car. Inspections shall include visual observations of the pushed coke to ensure that the compacting system allows the pushed coke to retain its cohesive mass. Subpart CCCCC. [40 CFR 63.7335(b)(1)]
- 57...[40 CFR 63.7335(d)] Perform preventative maintenance for each control device according to 40 CFR 63.7300(c)(2) and record all information needed to document conformance with these requirements. BACT has determined that the control device is compacted coal pushed onto a traveling flat car. Subpart CCCCC. [40 CFR 63.7335(b)(2)]
- 58 [LAC 33:III.1311.B] Maintain a current copy of the operation and maintenance plans required in 40 CFR 63.7300(c) onsite and available for inspection upon request. Keep the plans for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR 63 Subpart CCCCC. Subpart CCCCC. [40 CFR 63.7335(d)]
- 59 [LAC 33:III.509] Total suspended particulate $\leq 58.33 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source. Which Months: All Year Statistical Basis: None specified
- 60 [LAC 33:III.509] BACT for coal charging operations is determined to be the combination of Compacted Coal Charging and Flat Car Pushing, which represent Inherently Lower Polluting Processes. Carbon monoxide $\leq 0.0638 \text{ lb/ton coke pushed}$. Determined as BACT.
- 61 [LAC 33:III.509] Which Months: All Year Statistical Basis: None specified
- Nitrogen dioxide $\leq 0.019 \text{ lb/ton coke pushed}$. Determined as BACT.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0002 Coke Battery 1 Coke Pushing**

- 62 [LAC 33:III.509] Sulfur dioxide <= 0.098 lb/ton coke pushed. Determined as BACT.
Which Months: All Year Statistical Basis: None specified
- 63 [LAC 33:III.509] VOC, Total <= 0.077 lb/ton coke pushed. Determined as BACT.
Which Months: All Year Statistical Basis: None specified
- 64 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 65 [LAC 33:III.5109.A.1] Compliance with NESHAAP 40 CFR 63 Subpart L and NESHAAP 40 CFR 63 Subpart CCCCC have been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

EQT0003 Coke Battery 1 Coke Quench Tower

- 66 [40 CFR 63.7295(a)(1)(i)] Solids, Total Dissolved <= 1100 mg/l. Determined as BACT. Subpart CCCCC. [40 CFR 63.7295(a)(1)(i), LAC 33:III.509]
Which Months: All Year Statistical Basis: None specified
- 67 [40 CFR 63.7295(a)(2)] Use acceptable makeup water, as defined in 40 CFR 63.7352, as makeup water for quenching. Subpart CCCCC. [40 CFR 63.7295(a)(2)]
- 68 [40 CFR 63.7295(b)(1)] Equip each quench tower with baffles such that no more than 5 percent of the cross sectional area of the tower may be uncovered or open to the sky. Determined as BACT. Subpart CCCCC. [40 CFR 63.7295(b)(1), LAC 33:III.509]
- 69 [40 CFR 63.7295(b)(2)(ii)] Temperature recordkeeping by electronic or hard copy continuously on days that the baffles are not washed. Subpart CCCCC. [40 CFR 63.7295(b)(2)(ii)]
- 70 [40 CFR 63.7295(b)(2)] Wash the baffles in each quench tower once each day that the tower is used to quench coke, except as specified in 40 CFR 63.7295(b)(2)(i) and (b)(2)(ii). Subpart CCCCC. [40 CFR 63.7295(b)(2)]
- 71 [40 CFR 63.7295(b)(3)] Equipment/operational data monitored by technically sound method monthly. Inspect each quench tower for damaged or missing baffles and blockage. Subpart CCCCC. [40 CFR 63.7295(b)(3)]
- 72 [40 CFR 63.7295(b)(4)] Which Months: All Year Statistical Basis: None specified
Initiate repair or replacement of damaged or missing baffles within 30 days and complete as soon as practicable. Subpart CCCCC. [40 CFR 63.7295(b)(4)]
- 73 [40 CFR 63.7325(a)] Conduct each applicable performance test according to the conditions in 40 CFR 63.7325(a)(1) and (a)(2). Subpart CCCCC. [40 CFR 63.7325(a)]
- 74 [40 CFR 63.7334(e)(1)] Maintain baffles in each quench tower such that no more than 5 percent of the cross-sectional area of the tower is uncovered or open to the sky as required in 40 CFR 63.7295(b)(1). Subpart CCCCC. [40 CFR 63.7334(e)(1)]
- 75 [40 CFR 63.7334(e)(2)] Maintain records that document conformance with the washing, inspection, and repair requirements in 40 CFR 63.7295(b)(2), including records of the ambient temperature on any day that the baffles were not washed. Subpart CCCCC. [40 CFR 63.7334(e)(2)]
- 76 [40 CFR 63.7334(e)(3)] Maintaining records of the source of makeup water to document conformance with the requirement for acceptable makeup water in 40 CFR 63.7295(a)(2). Subpart CCCCC. [40 CFR 63.7334(e)(3)]
- 77 [40 CFR 63.7342] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7342(a) through (d). Subpart CCCCC.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0003 Coke Battery 1 Coke Quench Tower**

78 [LAC 33:III.1311.B]

Total suspended particulate $\leq 58.33 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

EQT0004 Coke Battery 1 Coke Handling

79 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Total suspended particulate $\leq 54.70 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified
 Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

80 [LAC 33:III.1311.B]
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) $\geq 99.0\%$ removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]

81 [LAC 33:III.1311.C]
 Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

82 [LAC 33:III.501.C.6]
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

83 [LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

84 [LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

85 [LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: Six-minute average
 BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT; to be employed at specific loading and drop points, as well as material piles.
 BACT is also selected as collection and control by fabric filters.

EQT0005 Coke Battery 1 FGD Lime Silo Unloading

89 [LAC 33:III.1311.B]

Total suspended particulate $\leq 37.29 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

90 [LAC 33:III.1311.C]
 Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0005 Coke Battery 1 FGD Lime Silo Unloading**

- 91 [LAC 33:III.501.C.6] Particulate matter (10 microns or less) $\geq 99.0\%$ removal efficiency from filter manufacturer's certification.
 Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 92 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 93 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 94 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 95 [LAC 33:III.507.H.1.a] BACT is also selected as collection and control by fabric filters.
- 96 [LAC 33:III.509]

EQT0006 Coke Battery 1 FGD Waste Loading

- 97 [LAC 33:III.1311.B] Total suspended particulate $\leq 47.22 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity $\leq 20\%$ percent, except emissions may have an average opacity in excess of 20 percent for no more than one six-minute period in any 60 consecutive minutes.
- 98 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) $\geq 99.0\%$ removal efficiency from filter manufacturer's certification.
- 99 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 100 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 101 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 102 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 103 [LAC 33:III.507.H.1.a] BACT is also selected as collection and control by fabric filters.
- 104 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0007 Coke Battery 2 Coal Charging**

- 105 [40 CFR 63.303(b)(3)] Charging: Implement, for each day of operation, the work practices specified in 40 CFR 63.306(b)(6) and record the performance of the work practices as required in 40 CFR 63.306(b)(7). Subpart L. [40 CFR 63.303(b)(3)]
 Observe each coke oven door after charging and record the oven number of any door from which visible emissions occur. Subpart L. [40 CFR 63.303(c)(1)]
- 106 [40 CFR 63.303(c)(1)] Take corrective action and stop a leak within 15 minutes from the time the leak is first observed, except as provided in 40 CFR 63.303(c)(2)(i) and (c)(2)(ii), if a coke oven door leak is observed at any time during the coking cycle. No additional leaks are allowed from doors on that oven for the remainder of that oven's coking cycle. Subpart L. [40 CFR 63.303(c)(2)]
- 107 [40 CFR 63.303(c)(2)] Charging fugitive emissions: Opacity <= 20 percent, as determined by the procedures in 40 CFR 63.309(j). Subpart L. [40 CFR 63.303(d)(1)]
- 108 [40 CFR 63.303(d)(1)] Which Months: All Year Statistical Basis: None specified
- 109 [40 CFR 63.303(d)(2)] Charging: Particulate matter (10 microns or less) <= 0.0081 lb/ton of dry coal charged. BACT was determined to be Compacted Coal as an Inherently Lower Polluting Process or Practice, as described in Section IV.A.3 of USEPA's New Source Review Workshop Manual published in October, 1990. Therefore a Permit Shield is granted that compliance with the emission limitation requirement shall not be determined by the procedures in 40 CFR 63.309(k). Compliance shall be determined with other applicable procedures described in 40 CFR 63.309(a) through (m), and 40 CFR 63.730(a) for Subpart CCCCC. Subpart L. [40 CFR 63.303(d)(2)]
- 110 [40 CFR 63.303(d)(3)] Which Months: All Year Statistical Basis: None specified
- Visible emissions monitored by visual inspection/determination daily during charging. If any visible emissions are observed, take corrective action to eliminate the presence of visible emissions, record the cause of the problem creating the visible emissions and the corrective action taken, conduct visible emission observations according to the procedures in 40 CFR 63.309(m) within 24 hours after detecting the visible emissions, report any 6-minute average, as determined according to the procedures in 40 CFR 63.309(m), that exceeds 10 percent opacity as a deviation in the semiannual compliance report required by 40 CFR 63.311(d). Subpart L. [40 CFR 63.303(d)(3)]
- 111 [40 CFR 63.303(d)(3)] Which Months: All Year Statistical Basis: None specified
- Visible emissions recordkeeping by electronic or hard copy daily during charging. Subpart L. [40 CFR 63.303(d)(3)]
- 112 [40 CFR 63.309] Conduct performance tests according to the test methods and procedures specified in 40 CFR 63.309(a) through (m), as applicable. Subpart L.
- 113 [LAC 33.III.1311.B] Total suspended particulate <= 58.33 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 114 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: None specified
- Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- 115 [LAC 33.III.509] Which Months: All Year Statistical Basis: Six-minute average
- BACT for coal charging operations is determined to be the combination of negative pressure ovens and Compacted Coal Charging, which represent Inherently Lower Polluting Processes. Compacting will occur in an enclosure vented to a baghouse.
- Coal compacting building baghouse Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.507.H.1.a, LAC 33.III.509]
- 116 [LAC 33.III.509] Which Months: All Year Statistical Basis: None specified
- Include emissions of all toxic air pollutants listed in LAC 33.III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33.III.5105.B.
- 117 [LAC 33.III.5107.A.2] Compliance with NESHAP 40 CFR 63 Subpart L have been determined to be compliance with MACT in accordance with LAC 33.III.5109.A.2.
- 118 [LAC 33.III.5109.A.1]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery 2 Coke Pushing Area**EQT0008 Coke Battery 2 Coke Pushing**

- 119 [40 CFR 63.306(a)] Prepare and submit a written emission control work practice plan for each coke oven battery. Ensure that the plan is designed to achieve compliance with visible emission limitations for coke oven doors, topside port lids, offtake systems, and charging operations under 40 CFR 63 Subpart L. Address in the plan each of the topics specified in 40 CFR 63.306(b)(6) in sufficient detail and with sufficient specificity to allow DEQ to evaluate the plan for completeness and enforceability. Submit work practice plan to DEQ. Subpart L. [40 CFR 63.306(a)] Particulate matter (10 microns or less) <= 0.04 lb/ton of coke. Subpart CCCCC. [40 CFR 63.7290(a)(4)] Which Months: All Year Statistical Basis: None specified Always operate and maintain the affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR 63 Subpart CCCCC. [40 CFR 63.7300(a)]
- 120 [40 CFR 63.7290(a)(4)] Prepare and operate at all times according to a written operation and maintenance plan. Address at a minimum the elements in 40 CFR 63.7300(c)(1) through (c)(3). Subpart CCCCC. [40 CFR 63.7300(c)] Conduct subsequent performance tests no less frequently than twice (at mid-term and renewal) during each term of the title V operating permit.
- 121 [40 CFR 63.7300(a)] Subpart CCCCC.
- 122 [40 CFR 63.7300(c)] Determine compliance with a process-weighted mass rate of particulate matter (lb/ton of coke) by following the test methods and procedures in 40 CFR 63.7322(b)(1) through (b)(4). Subpart CCCCC. [40 CFR 63.7322(b)]
- 123 [40 CFR 63.7321] Demonstrate continuous compliance by maintaining records that document each visual inspection of an oven prior to pushing and that the oven was not pushed unless there was no smoke in the open space above the coke bed and there was an unobstructed view of the door on the opposite side of the oven. Subpart CCCCC. [40 CFR 63.7334(c)]
- 124 [40 CFR 63.7322(b)] Make monthly inspections of capture systems according to 40 CFR 63.730(c)(1) and record all information needed to document conformance with these requirements. BACT has determined that the capture system is compacted coal pushed onto a traveling flat car. Inspections shall include visual observations of the pushed coke to ensure that the compacting system allows the pushed coke to retain its cohesive mass. Subpart CCCCC. [40 CFR 63.7335(b)(1)]
- 125 [40 CFR 63.7334(c)] Perform preventative maintenance for each control device according to 40 CFR 63.730(c)(2) and record all information needed to document conformance with these requirements. BACT has determined that the control device is compacted coal pushed onto a traveling flat car. Subpart CCCCC. [40 CFR 63.7335(b)(2)]
- 126 [40 CFR 63.7335(b)(1)] Maintain a current copy of the operation and maintenance plans required in 40 CFR 63.730(c) onsite and available for inspection upon request. Keep the plans for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR 63 Subpart CCCCC. Subpart CCCCC. [40 CFR 63.7335(d)] Total suspended particulate <= 58.33 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 127 [40 CFR 63.7335(b)(2)] Which Months: All Year Statistical Basis: None specified BACT for coal charging operations is determined to be the combination of Compacted Coal Charging and Flat Car Pushing, which represent Inherently Lower Polluting Processes.
- 128 [40 CFR 63.7335(d)] Carbon monoxide <= 0.0638 lb/ton coke pushed. Determined as BACT.
- 129 [LAC 33.III.1311.B] Which Months: All Year Statistical Basis: None specified Nitrogen dioxide <= 0.019 lb/ton coke pushed. Determined as BACT.
- 130 [LAC 33.III.509] Which Months: All Year Statistical Basis: None specified
- 131 [LAC 33.III.509]
- 132 [LAC 33.III.509]

SPECIFIC REQUIREMENTS

AID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT008 Coke Battery 2 Coke Pushing**

- 133 [LAC 33:III.509] Sulfur dioxide <= 0.098 lb/ton coke pushed. Determined as BACT.
 Which Months: All Year Statistical Basis: None specified
- 134 [LAC 33:III.509] VOC, Total <= 0.077 lb/ton coke pushed. Determined as BACT.
 Which Months: All Year Statistical Basis: None specified
- 135 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 136 [LAC 33:III.5109.A.1] Compliance with NESHAP 40 CFR 63 Subpart L and NESHAP 40 CFR 63 Subpart CCCCC have been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

EQT009 Coke Battery 2 Coke Quench Tower

- 137 [40 CFR 63.7295(a)(1)(i)] Solids, Total Dissolved <= 1100 mg/l. Determined as BACT. Subpart CCCCC. [40 CFR 63.7295(a)(1)(i), LAC 33:III.509]
 Which Months: All Year Statistical Basis: None specified
- 138 [40 CFR 63.7295(a)(2)] Use acceptable makeup water, as defined in 40 CFR 63.7352, as makeup water for quenching. Subpart CCCCC. [40 CFR 63.7295(a)(2)]
- 139 [40 CFR 63.7295(b)(1)] Equip each quench tower with baffles such that no more than 5 percent of the cross sectional area of the tower may be uncovered or open to the sky. Determined as BACT. Subpart CCCCC. [40 CFR 63.7295(b)(1), LAC 33:III.509]
- 140 [40 CFR 63.7295(b)(2)(ii)] Temperature recordkeeping by electronic or hard copy continuously on days that the baffles are not washed. Subpart CCCCC. [40 CFR 63.7295(b)(2)(ii)]
- 141 [40 CFR 63.7295(b)(2)] Wash the baffles in each quench tower once each day that the tower is used to quench coke, except as specified in 40 CFR 63.7295(b)(2)(i) and (b)(2)(ii). Subpart CCCCC. [40 CFR 63.7295(b)(2)]
- 142 [40 CFR 63.7295(b)(3)] Equipment/operational data monitored by technically sound method monthly. Inspect each quench tower for damaged or missing baffles and blockage. Subpart CCCCC. [40 CFR 63.7295(b)(3)]
- 143 [40 CFR 63.7295(b)(4)] Which Months: All Year Statistical Basis: None specified
- 144 [40 CFR 63.7295(a)] Initiate repair or replacement of damaged or missing baffles within 30 days and complete as soon as practicable. Subpart CCCCC. [40 CFR 63.7295(b)(4)]
- 145 [40 CFR 63.7334(e)(1)] Conduct each applicable performance test according to the conditions in 40 CFR 63.7325(a)(1) and (a)(2). Subpart CCCCC. [40 CFR 63:7325(a)]
- 146 [40 CFR 63.7334(e)(2)] Maintain baffles in each quench tower such that no more than 5 percent of the cross-sectional area of the tower is uncovered or open to the sky as required in 40 CFR 63.7295(b)(1). Subpart CCCCC. [40 CFR 63.7334(e)(1)]
- 147 [40 CFR 63.7334(e)(3)] Maintain records that document conformance with the washing, inspection, and repair requirements in 40 CFR 63.7295(b)(2), including records of the ambient temperature on any day that the baffles were not washed. Subpart CCCCC. [40 CFR 63.7334(e)(2)]
- 148 [40 CFR 63.7342] Maintaining records of the source of makeup water to document conformance with the requirement for acceptable makeup water in 40 CFR 63.7295(a)(2). Subpart CCCCC. [40 CFR 63.7334(e)(3)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7342(a) through (d). Subpart CCCCC.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001
 Permit Number: 25560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0009 Coke Battery 2 Coke Quench Tower**

149 [LAC 33:III.1311.B]

Total suspended particulate <= 58.33 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

EQT0010 Coke Battery 2 Coke Handling

150 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Total suspended particulate <= 54.70 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]

Which Months: All Year Statistical Basis: Equipment/operational data monitored by technically sound method semiannually or whenever visible emission Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT; to be employed at specific loading and drop points, as well as material piles.
 BACT is also selected as collection and control by fabric filters.

EQT0011 Coke Battery 2 FGD Lime Silo Unloading

160 [LAC 33:III.1311.B]

Total suspended particulate <= 37.29 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0011 Coke Battery 2 FGD Lime Silo Unloading**

- Particulate matter (10 microns or less) $\geq 99.0\%$ removal efficiency from filter manufacturer's certification.
- Which Months: All Year Statistical Basis: None specified
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- BACT is also selected as collection and control by fabric filters.
- 162 [LAC 33:III.501.C.6]
- 163 [LAC 33:III.507.H.1.a]
- 164 [LAC 33:III.507.H.1.a]
- 165 [LAC 33:III.507.H.1.a]
- 166 [LAC 33:III.507.H.1.a]
- 167 [LAC 33:III.509]

EQT0012 Coke Battery 2 FGD Waste Loading

- Total suspended particulate $\leq 47.22 \text{ lb/hr}$. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified
- Opacity $\leq 20\%$ percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Particulate matter (10 microns or less) $\geq 99.0\%$ removal efficiency from filter manufacturer's certification.
- Which Months: All Year Statistical Basis: None specified
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- BACT is also selected as collection and control by fabric filters.
- 168 [LAC 33:III.1311.B]
- 169 [LAC 33:III.1311.C]
- 170 [LAC 33:III.501.C.6]
- 171 [LAC 33:III.507.H.1.a]
- 172 [LAC 33:III.507.H.1.a]
- 173 [LAC 33:III.507.H.1.a]
- 174 [LAC 33:III.507.H.1.a]
- 175 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0013 Coke Bin Tower**

176 [LAC 33.III.1311.B]

177 [LAC 33.III.1311.C]

178 [LAC 33.III.501.C.6]

179 [LAC 33.III.507.H.1.a]

180 [LAC 33.III.507.H.1.a]

181 [LAC 33.III.507.H.1.a]

182 [LAC 33.III.507.H.1.a]

183 [LAC 33.III.509]

Total suspended particulate <= 69.41 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.501.C.6, LAC 33.III.509]

Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 BACT is also selected as collection and control by fabric filters.

EQT0014 Coke Screening

184 [LAC 33.III.1311.B]

185 [LAC 33.III.1311.C]

186 [LAC 33.III.501.C.6]

187 [LAC 33.III.507.H.1.a]

188 [LAC 33.III.507.H.1.a]

Total suspended particulate <= 69.41 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.501.C.6, LAC 33.III.509]

Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**EQT0014 Coke Screening**

189 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

190 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

191 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions. —

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

192 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

193 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

195 [LAC 33:III.509]

BACT is also selected as collection and control by fabric filters.

RLP0001 Coke Battery 1 HRSG Bypass Vent Stack 1

196 [LAC 33:III.5107.A.2]

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0002 Coke Battery 1 HRSG Bypass Vent Stack 2

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**RLP0002 Coke Battery 1 HRSG Bypass Vent Stack 2**

- 197 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0003 Coke Battery 1 HRSG Bypass Vent Stack 3

- 198 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0004 Coke Battery 1 HRSG Bypass Vent Stack 4

- 199 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0005 Coke Battery 1 HRSG Bypass Vent Stack 5

- 200 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0006 Coke Battery 1 Flue Gas Desulfurization Stack

- 201 [LAC 33:III.1311.B] Total suspended particulate <= 58.33 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Matter Emissions from Stationary Sources and Method 29 - Determination of metals emissions from stationary sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**RLP0006 Coke Battery 1 Flue Gas Desulfurization Stack**

203 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

204 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment.

The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Carbon monoxide <= 0.06 lb/ton of coal charged - dry basis. Determined as BACT.

Which Months: All Year — Statistical Basis: None specified

Nitrogen dioxide <= 0.71 lb/ton of coal charged - wet basis. Determined as BACT.

Which Months: All Year — Statistical Basis: None specified

Particulate matter (10 microns or less) <= 0.01726 lb/ton of coal charged - wet basis. Determined as BACT.

Which Months: All Year — Statistical Basis: None specified

Sulfur dioxide >= 90 % capture efficiency when the 6 month rolling average concentration of sulfur is less than or equal to 1%. Sulfur dioxide >= 91 % capture efficiency when the 6 month rolling average concentration of sulfur is greater than 1%. Determined as BACT.

Which Months: Phases: Statistical Basis: Reported minimum VOC, Total <= 0.0035 lb/ton of coal charged - wet basis. Determined as BACT.

Which Months: All Year — Statistical Basis: None specified

Included emissions of all toxic air pollutants listed in LAC 33:III.5112;—Table 51:1-or 51:3-in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

210 [LAC 33:III.509]

Compliance with NESHAP 40 CFR 63 Subpart CCCCC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

RLP0007 Coke Battery 2 HRSG Bypass Vent Stack 1

213 [LAC 33:III.5107.A.2]

Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51:1 or 51:3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**RLP0008 Coke Battery 2 HRSG Bypass Vent Stack 2**

214 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0009 Coke Battery 2 HRSG Bypass Vent Stack 3

215 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0010 Coke Battery 2 HRSG Bypass Vent Stack 4

216 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0011 Coke Battery 2 HRSG Bypass Vent Stack 5

217 [LAC 33:III.5107.A.2] Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

RLP0012 Coke Battery 2 Flue Gas Desulfurization Stack

218 [LAC 33:III.1311.B] Total suspended particulate <= 58.33 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; Method 5 - Determination of Particulate Matter Emissions from Stationary Sources and Method 29 - Determination of metals emissions from stationary sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0002 Coke Battery Process Area**RLP0012 Coke Battery 2 Flue Gas Desulfurization Stack**

220 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

221 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

222 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gry/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

223 [LAC 33:III.509]

Carbon monoxide <= 0.22 lb/ton of coal charged - dry basis. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

224 [LAC 33:III.509]

Nitrogen dioxide <= 0.71 lb/ton of coal charged - wet basis. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

225 [LAC 33:III.509]

Particulate matter (10 microns or less) <= 0.01726 lb/ton of coal charged - wet basis. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

226 [LAC 33:III.509]

Sulfur dioxide >= 90 % capture efficiency when the 6 month rolling average concentration of sulfur is less than or equal to 1%. Sulfur dioxide >= 91 % capture efficiency when the 6 month rolling average concentration of sulfur is greater than 1%. Determined as BACT.

Which Months: Phases: All Year Statistical Basis: Reported minimum

227 [LAC 33:III.509]

VOC, Total <= 0.035 lb/ton of coal charged - wet basis. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

228-[LAC 33:III.5107.A.2]—

Include emissions of all toxic air pollutants listed in LAC 33:III.51.1-or 51.3-in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

229 [LAC 33:III.5109.A.1]

Compliance with NESHAP 40 CFR 63 Subpart CCCC has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

Group: PCS0001 Sinter Process Area**PCS0001 Sinter Process Area**

Group Members: EQT0031 EQT0032 EQT0033 EQT0034 EQT0035 FUG0009

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**PCS0001 Sinter Process Area**

- 230 [40 CFR 63.7810(a)] Be in compliance with the emission limitations and operation and maintenance requirements in 40 CFR 63 Subpart FFFFF at all times, except during periods of startup, shutdown, and malfunction as defined in 40 CFR 63.2. Subpart FFFFF. [40 CFR 63.7810(a)]
- 231 [40 CFR 63.7810(c)] Develop a written startup, shutdown, and malfunction plan according to the provisions in 40 CFR 63.6(e)(3). Subpart FFFFF. [40 CFR 63.7810(c)]
- 232 [40 CFR 63.7840(a)] Submit all of the applicable notifications in 40 CFR 63.6(h)(4) and (h)(5), 63.7(b) and (c), 63.8(e) and (f)(4), and 63.9(b) through (h) by the specified dates. Subpart FFFFF. [40 CFR 63.7840(a)]
- 233 [40 CFR 63.7841(a)] Submit compliance status report. Due semiannually, by the 31st of January and July. Include the information specified in 40 CFR 63.7841(b)(1) through (b)(8). Subpart FFFFF. [40 CFR 63.7841(a)]
- 234 [40 CFR 63.7841(c)] Submit startup, shutdown, and malfunction report. Due immediately according to the requirements in 40 CFR 63.10(d)(5)(ii), if there was a startup, shutdown, or malfunction during the semiannual reporting period that was not consistent with the startup, shutdown, and malfunction plan. Subpart FFFFF. [40 CFR 63.7841(c)]
- 235 [40 CFR 63.7841(c)] Report all deviations as defined in 40 CFR 63 Subpart FFFFF in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A). Subpart FFFFF. [40 CFR 63.7841(d)]
- 236 [40 CFR 63.7843(a)] Keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Subpart FFFFF. [40 CFR 63.7843(a)]
- 237 [40 CFR 63.7843(b)] Keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record, as specified in 40 CFR 63.10(b)(1). Subpart FFFFF. [40 CFR 63.7843(b)]
- 238 [40 CFR 63.7843(c)] Keep each record on site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR 63.10(b)(1). The remaining three years may be kept offsite. Subpart FFFFF. [40 CFR 63.7843(c)]
- EQT0031 MEROS System Sinter Vent Stack**
- 239 [40 CFR 63.7790(a)] Particulate matter (10 microns or less) <= 0.3 lb/ton of product sinter. Subpart FFFFF. [40 CFR 63.7790(a)]
- 240 [40 CFR 63.7800(a)] Which Months: All Year Statistical Basis: None specified Always operate and maintain the affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR 63 Subpart FFFFF. Subpart FFFFF. [40 CFR 63.7800(a)]
- 241 [40 CFR 63.7821(c)] Conduct subsequent performance tests no less frequently than once during each term of the title V operating permit. Subpart FFFFF. [40 CFR 63.7821(c)]
- 242 [40 CFR 63.7822] Conduct each applicable performance test according to the requirements in 40 CFR 63.7(e)(1) and the conditions detailed in 40 CFR 63.7822(b) through (i). Subpart FFFFF.
- 243 [40 CFR 63.7823(a)] Conduct each applicable performance test according to the requirements in 40 CFR 63.7(h)(5) and the conditions detailed in 40 CFR 63.7823(b) through (c). Subpart FFFFF. [40 CFR 63.7823(a)]
- 244 [40 CFR 63.7830(b)(1)] Monitor relative change in particulate matter loadings using a bag leak detection system according to the requirements in 40 CFR 63.7832. Subpart FFFFF. [40 CFR 63.7830(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0031 MEROS System Sinter Vent Stack**

- 245 [40 CFR 63.7830(b)(4)(vii)] Pressure drop monitored by pressure drop instrument daily. Monitor the pressure drop across each baghouse cell to ensure pressure drop is within the normal operating range identified in the manual. Subpart FFFFF. [40 CFR 63.7830(b)(4)(i)]
 Which Months: All Year Statistical Basis: None specified
- 246 [40 CFR 63.7830(b)(4)(vi)] Equipment/operational data monitored by visual inspection/determination weekly. Confirm that dust is being removed from hoppers through visual inspections or other means of ensuring the proper functioning of removal mechanisms. Subpart FFFFF. [40 CFR 63.7830(b)(4)(ii)]
 Which Months: All Year Statistical Basis: None specified
- 247 [40 CFR 63.7830(b)(4)(iv)] Monitor cleaning cycles to ensure proper operation using an appropriate methodology. Subpart FFFFF. [40 CFR 63.7830(b)(4)(iv)]
 Equipment/operational data monitored by visual inspection/determination monthly. Check bag cleaning mechanisms for proper functioning through visual inspection or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(v)]
 Which Months: All Year Statistical Basis: None specified
- 248 [40 CFR 63.7830(b)(4)(v)] Equipment/operational data monitored by visual inspection/determination monthly. Check bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed) or laying on their sides. Subpart FFFFF. [40 CFR 63.7830(b)(4)(vi)]
 Which Months: All Year Statistical Basis: None specified
- 249 [40 CFR 63.7830(b)(4)(vii)] Presence of a leak monitored by visual inspection/determination quarterly. Confirm the physical integrity of the baghouse through inspections of the baghouse interior for air leaks. Subpart FFFFF. [40 CFR 63.7830(b)(4)(vii)]
 Which Months: All Year Statistical Basis: None specified
- 250 [40 CFR 63.7830(b)(4)(viii)] Equipment/operational data monitored by visual inspection/determination quarterly. Inspect fans for wear, material buildup, and corrosion through visual inspections, vibration detectors, or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(viii)]
 Which Months: All Year Statistical Basis: None specified
- 251 [40 CFR 63.7830(b)(4)(viii)] Equipment/operational data monitored by visual inspection/determination quarterly. Inspect fans for wear, material buildup, and corrosion through visual inspections, vibration detectors, or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(viii)]
 Which Months: All Year Statistical Basis: None specified
- 252 [40 CFR 63.7831(f)(3)] Equip bag leak detection system with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level.
 Which Months: All Year Statistical Basis: None specified
- 253 [40 CFR 63.7840(d)] Locate the alarm such that it can be heard by the appropriate plant personnel. Subpart FFFFF. [40 CFR 63.7831(f)(3)]
 Submit notification of intent to conduct a performance test. Due at least 60 calendar days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). Subpart FFFFF. [40 CFR 63.7840(d)]
- 254 [40 CFR 63.7840(e)(1)] Submit notification of compliance status: Due before the close of business on the 30th calendar day following completion of the initial compliance demonstration, for each initial compliance demonstration that does not include a performance test. Subpart FFFFF. [40 CFR 63.7840(e)(1)]
 Submit notification of compliance status: Due before the close of business on the 60th calendar day following the completion of the performance test according to 40 CFR 63.10(d)(2), for each initial compliance demonstration that does not include a performance test. Include the performance test results. Subpart FFFFF. [40 CFR 63.7840(e)(2)]
 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7842(a) through (d), as applicable. Subpart FFFFF.
 Total suspended particulate <= 46.75 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 255 [40 CFR 63.7840(e)(2)] Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
- 256 [40 CFR 63.7842] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7842(a) through (d), as applicable. Subpart FFFFF.
- 257 [LAC 33.III.1311.B] Total suspended particulate <= 46.75 lb/hr. The rate of emission shall be the total of all emission points from the source.
- 258 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Alt - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0031 MEROS System Sinter Vent Stack**

- 259 [LAC 33.III.507.H.1.a] Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33.III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 260 [LAC 33.III.507.H.1.a] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 25A - Determination of Total Gaseous Organic Concentration using a Flame Ionization Analyzer; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33.III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 261 [LAC 33.III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- 262 [LAC 33.III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- 263 [LAC 33.III.509] BACT is determined to be countercurrent flow injection of additives combined with good combustion practices during the operation of the blast furnace.
- 264 [LAC 33.III.509] Which Months: All Year Statistical Basis: None specified
- Nitrogen dioxide <= 0.495 lb/ton of finished sinter. Determined as BACT.
- 265 [LAC 33.III.509] Which Months: All Year Statistical Basis: None specified
- Particulate matter (10 microns or less) <= 0.002 gr/dscf (5 mg/dry std cubic meters). Determined as BACT.
- 266 [LAC 33.III.509] Which Months: All Year Statistical Basis: None specified
- Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.509, LAC 33.III.S07.H.1.a]
- 267 [LAC 33.III.509] Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0031 MEROS System Sinter Vent Stack**

- 268 [LAC 33:III.509] Sulfur dioxide <= 0.0437 gr/dscf (100 mg/dry std cubic meters). Determined as BACT.
 Which Months: All Year Statistical Basis: None specified
- 269 [LAC 33:III.509] VOC, Total <= 0.1074 lb/ton of finished Sinter. Determined as BACT. BACT is also selected to be good combustion practices during the operation of the sinter plant.
- 270 [LAC 33:III.5105.A.2] Which Months: All Year Statistical Basis: None specified
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.
- 271 [LAC 33:III.5109.A.1] Compliance with NESHAP 40 CFR 63 Subpart FFFFF has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

EQT0032 Sinter Plant Main Dedusting Baghouse Vent

- 272 [40 CFR 63.7790(a)] Particulate matter (10 microns or less) <= 0.01 gr/dscf. Subpart FFFFF. [40 CFR 63.7790(a)]
 Which Months: All Year Statistical Basis: None specified
- 273 [40 CFR 63.7790(b)(1)] Capture system: Operate at or above the lowest value or settings established for the operating limits in the operation and maintenance plan.
 Subpart FFFFF. [40 CFR 63.7790(b)(1)]
- 274 [40 CFR 63.7800(a)] Always operate and maintain the affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR 63 Subpart FFFFF. Subpart FFFFF. [40 CFR 63.7800(a)]
- 275 [40 CFR 63.7800(b)] Prepare and operate at all times according to a written operation and maintenance plan. Include the elements in 40 CFR 63.7800(b)(1) through (b)(7). Subpart FFFFF. [40 CFR 63.7800(b)]
- 276 [40 CFR 63.7821(c)] Conduct subsequent performance tests no less frequently than once during each term of the title V operating permit. Subpart FFFFF. [40 CFR 63.7821(c)]
- 277 [40 CFR 63.7822] Conduct each applicable performance test according to the requirements in 40 CFR 63.7(e)(1) and the conditions detailed in 40 CFR 63.7822(b) through (i). Subpart FFFFF.
- 278 [40 CFR 63.7823(a)] Conduct each applicable performance test according to the requirements in 40 CFR 63.7(h)(5) and the conditions detailed in 40 CFR 63.7823(b) through (e). Subpart FFFFF. [40 CFR 63.7823(a)]
- 279 [40 CFR 63.7824(a)] Certify that the capture system operated during the performance test at the site-specific operating limits established in the operation and maintenance plan using the procedures in 40 CFR 63.7824(a)(1) through (a)(4). Subpart FFFFF. [40 CFR 63.7824(a)]
- 280 [40 CFR 63.7830(a)(1)] Equipment/operational data monitored by visual inspection/determination once every 24 hours. Verify that each damper for the capture system is in the same position as during the initial performance test. Subpart FFFFF. [40 CFR 63.7830(a)(1)]
- 281 [40 CFR 63.7830(a)(2)] Which Months: All Year Statistical Basis: None specified
 Flow rate monitored by flow rate monitoring device continuously. Monitor the average actual volumetric flow rate through each separately ducted hood according to the requirements in 40 CFR 63.7832. Subpart FFFFF. [40 CFR 63.7830(a)(2)]
 Which Months: All Year Statistical Basis: Hourly average

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00231-V0
Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0032 Sinter Plant Main Dedusting Baghouse Vent**

- 282 [40 CFR 63.7830(b)(1)] Monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in 40 CFR 63.7832.
Subpart FFFFF. [40 CFR 63.7830(b)(1)]
- 283 [40 CFR 63.7830(b)(4)(ii)] Pressure drop monitored by pressure drop instrument daily. Monitor the pressure drop across each baghouse cell to ensure pressure drop is within the normal operating range identified in the manual. Subpart FFFFF. [40 CFR 63.7830(b)(4)(ii)]
- 284 [40 CFR 63.7830(b)(4)(xi)] Which Months: All Year Statistical Basis: None specified Equipment/operational data monitored by visual inspection/determination weekly. Confirm that dust is being removed from hoppers through visual inspections or other means of ensuring the proper functioning of removal mechanisms. Subpart FFFFF. [40 CFR 63.7830(b)(4)(xi)]
- 285 [40 CFR 63.7830(b)(4)(iv)] Which Months: All Year Statistical Basis: None specified Monitor cleaning cycles to ensure proper operation using an appropriate methodology. Subpart FFFFF. [40 CFR 63.7830(b)(4)(iv)]
- 286 [40 CFR 63.7830(b)(4)(v)] Equipment/operational data monitored by visual inspection/determination monthly. Check bag cleaning mechanisms for proper functioning through visual inspection or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(v)]
- 287 [40 CFR 63.7830(b)(4)(vi)] Which Months: All Year Statistical Basis: None specified Equipment/operational data monitored by visual inspection/determination monthly. Check bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. Subpart FFFFF. [40 CFR 63.7830(b)(4)(vi)]
- 288 [40 CFR 63.7830(b)(4)(vii)] Which Months: All Year Statistical Basis: None specified Presence of a leak monitored by visual inspection/determination quarterly. Confirm the physical integrity of the baghouse through inspections of the baghouse interior for air leaks. Subpart FFFFF. [40 CFR 63.7830(b)(4)(vii)]
- 289 [40 CFR 63.7830(b)(4)(viii)] Which Months: All Year Statistical Basis: None specified Equipment/operational data monitored by visual inspection/determination quarterly. Inspect fans for wear, material buildup, and corrosion through visual inspections, vibration detectors, or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(viii)]
- 290 [40 CFR 63.7831(e)] Which Months: All Year Statistical Basis: None specified Capture system: Conduct a performance evaluation in accordance with the site-specific monitoring plan. Subpart FFFFF. [40 CFR 63.7831(e)]
- 291 [40 CFR 63.7831(e)] Capture system: Develop and make available for inspection upon request by DEQ a site-specific monitoring plan that addresses the requirements in 40 CFR 63.7831(a)(1) through (a)(8). Subpart FFFFF. [40 CFR 63.7831(e)]
- 292 [40 CFR 63.7831(e)] Capture system: Operate and maintain in continuous operation according to the site-specific monitoring plan. Subpart FFFFF. [40 CFR 63.7831(e)]
- 293 [40 CFR 63.7831(f)(3)] Equip bag leak detection system with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level.
- 294 [40 CFR 63.7834(a)] Locate the alarm such that it can be heard by the appropriate plant personnel. Subpart FFFFF. [40 CFR 63.7831(f)(3)]
- 295 [40 CFR 63.7834(b)] Demonstrate continuous compliance with the operation and maintenance requirements in 40 CFR 63.7800(b) by meeting the requirements of 40 CFR 63.7834(a)(1) through (a)(4). Subpart FFFFF. [40 CFR 63.7834(a)]
- 296 [40 CFR 63.7840(d)] Maintain a current copy of the operation and maintenance plan required in 40 CFR 63.7800(b) onsite and available for inspection upon request. Keep the plans for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR 63 Subpart FFFFF. Subpart FFFFF. [40 CFR 63.7834(b)]
- Submit notification of intent to conduct a performance test: Due at least 60 calendar days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). Subpart FFFFF. [40 CFR 63.7840(d)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0032 Sinter Plant Main Dedusting Baghouse Vent**

- 297 [40 CFR 63.7840(e)(1)] Submit notification of compliance status: Due before the close of business on the 30th calendar day following completion of the initial compliance demonstration, for each initial compliance demonstration that does not include a performance test. Subpart FFFFF. [40 CFR 63.7840(e)(1)]
 298 [40 CFR 63.7840(e)(2)] Submit notification of compliance status: Due before the close of business on the 60th calendar day following the completion of the performance test according to 40 CFR 63.10(d)(2), for each initial compliance demonstration that does include a performance test. Include the performance test results. Subpart FFFFF. [40 CFR 63.7840(e)(2)]
 299 [40 CFR 63.7842] Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7842(a) through (d), as applicable. Subpart FFFFF.
 300 [LAC 33:III.1311.B] Total suspended particulate \leq 65.74 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) \leq 0.005 gr/dscf. Determined as BACT.

- Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) \geq 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.509, LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
 Include emissions of all toxic air pollutants listed in LAC 33:III.5112, Table 51.1 or 51.3 in the Annual Emissions Report unless exempted under LAC 33:III.5105.B.

- Compliance with NESHAP 40 CFR 63 Subpart FFFFF has been determined to be compliance with MACT in accordance with LAC 33:III.5109.A.2.

EQT0033 Coke and Petcoke Crushing Dedusting Baghouse Vent

- 306 [LAC 33:III.1311.B] Total suspended particulate \leq 65.74 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semianually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-Y0

Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0033 Coke and Petcoke Crushing Dedusting Baghouse Vent**

310 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

311 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

312 [LAC 33:III.507.H.1.a]

Filler vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

313 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None Specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

314 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

315 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

316 [LAC 33:III.509]

317 [LAC 33:III.509]

BACT is also selected as collection and control by fabric filters.
Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.509, LAC 33:III.507.H.1.a]
Which Months: All Year Statistical Basis: None specified

EQT0034 Sinter FGD Lime Silo Unloading

318 [LAC 33:III.131.B]

Total suspended particulate <= 30.51 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0034 Sinter FGD Lime Silo Unloading**

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.501.C.6, LAC 33.III.509]

Which Months: All Year Statistical Basis: None specified Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

BACT is also selected as collection and control by fabric filters

EQT0035 Sinter FGD Waste Loading

Total suspended particulate <= 46.29 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification.-Determined as BACT..[LAC 33.III.501.C.6, LAC 33.III.509]

Which Months: All Year Statistical Basis: None specified Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-Y0

Air - Title V Regular Permit Initial

Group: PCS0001 Sinter Process Area**EQT0035 Sinter FGD Waste Loading**

331 [LAC 33.III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

332 [LAC 33.III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
BACT is also selected as collection and control by fabric filters.

FUG0009 Sinter Plant Fugitive Emissions

334 [40 CFR 63.7790(a)]

Opacity <= 10 percent, for secondary emissions from any opening in the building or structure housing the discharge end. Subpart FFFFFF. [40 CFR 63.7790(a)]

Which Months: All Year Statistical Basis: Six-minute average

Always operate and maintain the affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR 63 Subpart FFFFF. Subpart FFFFF. [40 CFR 63.7800(a)]

Conduct each applicable performance test according to the requirements in 40 CFR 63.7(h)(5) and the conditions detailed in 40 CFR 63.7823(b) through (e). Subpart FFFFF. [40 CFR 63.7823(a)]

Opacity monitored by 40 CFR 60, Appendix A, Method 9 daily. Subpart FFFFF. [40 CFR 63.7833(a)]

Which Months: All Year Statistical Basis: Six-minute average
Submit notification of compliance status: Due before the close of business on the 30th calendar day following completion of the initial compliance demonstration, for each initial compliance demonstration that does not include a performance test. Subpart FFFFF. [40 CFR 63.7840(e)(1)]

Submit notification of compliance status: Due before the close of business on the 60th calendar day following the completion of the performance test according to 40 CFR 63.10(d)(2), for each initial compliance demonstration that does include a performance test. Include the performance test results. Subpart FFFFF. [40 CFR 63.7840(e)(2)]
Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7842(a) through (d), as applicable. Subpart FFFFF.

Total suspended particulate <= 64.63 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified

Group: PCS0003 Slag Mill Process Area**PCS0003 Slag Mill Process Area**

Group Members: ARE0005 ARE0006 ARE0007 ARE0008 ARE0009 ARE0010 ARE0011 EQT0015 EQT0016 EQT0017 EQT0036 EQT0037 EQT0038 EQT0039 EQT0040 EQT0041 EQT0042 EQT0043 EQT0044 EQT0045 EQT0046 EQT0047 EQT0048 EQT0049 EQT0050 EQT0051 EQT0052 GRP0004 GRP0005 GRP0006 GRP0007 RLP0014

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**PCS0003 Slag Mill Process Area**

- 342 [40 CFR 63.7790(a)] Opacity <= 15 percent, for secondary emissions from any opening in the casthouse or structure housing the blast furnace. Subpart FFFFF. [40 CFR 63.7790(a)]
 Which Months: All Year Statistical Basis: Six-minute average
 Opacity monitored by 40 CFR 60, Appendix A, Method 9 daily. Subpart FFFFF. [40 CFR 63.7833(a)]
 Which Months: All Year Statistical Basis: Six-minute average

ARE0005 Blast Furnace 1 Slag Pit 1

- 344 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 BACT is determined to be wet suppression of dust generating sources by water sprays at the slag pits after air cooling and prior to removal by a mechanical loader.

ARE0006 Blast Furnace 1 Slag Pit 2

- 347 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 BACT is determined to be wet suppression of dust generating sources by water sprays at the slag pits after air cooling and prior to removal by a mechanical loader.

ARE0007 Blast Furnace 1 Slag Pit 3

- 350-[LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
 Total suspended particulate <= 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 BACT is determined to be wet suppression of dust generating sources by water sprays at the slag pits after air cooling and prior to removal by a mechanical loader.

ARE0008 Blast Furnace 2 Slag Pit 1

- 353 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001
 Permit Number: 2560-00281-Y0
 Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**ARE0008 Blast Furnace 2 Slag Pit 1**

- 354 [LAC 33:III.1311.B]
 355 [LAC 33:III.509]

Total suspended particulate <= 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

BACT is determined to be wet suppression of dust generating sources by water sprays at the slag pits after air cooling and prior to removal by a mechanical loader.

ARE0009 Blast Furnace 2 Slag Pit 2

- 356 [LAC 33:III.1305]
 357 [LAC 33:III.1311.B]
 358 [LAC 33:III.509]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Total suspended particulate <= 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 BACT is determined to be wet suppression of dust generating sources by water sprays at the slag pits after air cooling and prior to removal by a mechanical loader.

ARE0010 Blast Furnace 2 Slag Pit 3

- 359 [LAC 33:III.1305]
 360 [LAC 33:III.1311.B]
 361 [LAC 33:III.509]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Total suspended particulate <= 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 BACT is selected to be wet suppression of dust generating sources by water sprays at the slag pits after air cooling and prior to removal by a granulated slag process.

ARE0011 Air-Cooled Slag Processing Stockpiles

- 362 [LAC 33:III.1311.B]
 363 [LAC 33:III.509]

Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

BACT is selected to be wet suppression of dust generating sources (slag granulation) by water sprays. This technology is inherent to the granulated slag process.

EQT0015 Cast House 1 Baghouse Vent

- 364 [40 CFR 63.7790(a)]
 365 [40 CFR 63.7790(a)]

Opacity <= 15 percent, for secondary emissions from any opening in the casthouse or structure housing the blast furnace. Subpart FFFFF. [40 CFR 63.7790(a)]
 Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) <= 0.003 gr/dscf. Subpart FFFFF. [40 CFR 63.7790(a)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0015 Cast House 1 Baghouse Vent**

- 366 [40 CFR 63.7790(b)(1)] Capture system: Operate at or above the lowest value or settings established for the operating limits in the operation and maintenance plan.
 Subpart FFFFF. [40 CFR 63.7790(b)(1)]
 Always operate and maintain the affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR 63 Subpart FFFFF. Subpart FFFFF. [40 CFR 63.7800(a)]
- 367 [40 CFR 63.7800(a)] Prepare and operate at all times according to a written operation and maintenance plan. Include the elements in 40 CFR 63.7800(b)(1) through (b)(7). Subpart FFFFF. [40 CFR 63.7800(b)]
 Conduct subsequent performance tests no less frequently than once during each term of the title V operating permit. Subpart FFFFF. [40 CFR 63.7821(c)]
- 370 [40 CFR 63.7822] Conduct each applicable performance test according to the requirements in 40 CFR 63.7(e)(1) and the conditions detailed in 40 CFR 63.7822(b) through (i). Subpart FFFFF.
 Conduct each applicable performance test according to the requirements in 40 CFR 63.7(h)(5) and the conditions detailed in 40 CFR 63.7823(b) through (e). Subpart FFFFF. [40 CFR 63.7823(a)]
 Certify that the capture system operated during the performance test at the site-specific operating limits established in the operation and maintenance plan using the procedures in 40 CFR 63.7824(a)(1) through (a)(4). Subpart FFFFF. [40 CFR 63.7824(a)]
 Equipment/operational data monitored by visual inspection/determination once every 24 hours. Verify that each damper for the capture system is in the same position as during the initial performance test.. Subpart FFFFF..[40 CFR 63.7830(a)(1)]
- 371 [40 CFR 63.7823(a)] Which Months: All Year Statistical Basis: None specified
 Flow rate monitored by flow rate monitoring device continuously. Monitor the average actual volumetric flow rate through each separately ducted hood according to the requirements in 40 CFR 63.7832. Subpart FFFFF. [40 CFR 63.7830(a)(2)]
- 372 [40 CFR 63.7824(a)] Which Months: All Year Statistical Basis: Hourly average
 Monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in 40 CFR 63.7832.
- 373 [40 CFR 63.7830(a)(1)] Subpart FFFFF. [40 CFR 63.7830(b)(1)]
 Pressure drop monitored by pressure drop instrument daily. Monitor the pressure drop across each baghouse cell to ensure pressure drop is within the normal operating range identified in the manual. Subpart FFFFF. [40 CFR 63.7830(b)(4)(i)]
- 374 [40 CFR 63.7830(a)(2)] Which Months: All Year Statistical Basis: None specified
 Equipment/operational data monitored by visual inspection/determination weekly. Confirm that dust is being removed from hoppers through visual inspections or other means of ensuring the proper functioning of removal mechanisms. Subpart FFFFF. [40 CFR 63.7830(b)(4)(ii)]
- 375 [40 CFR 63.7830(b)(1)] Which Months: All Year Statistical Basis: None specified
 Check the compressed air supply for pulse-jet baghouses each day. Subpart FFFFF. [40 CFR 63.7830(b)(4)(iii)]
- 376 [40 CFR 63.7830(b)(4)(ii)] Monitor cleaning cycles to ensure proper operation using an appropriate methodology. Subpart FFFFF. [40 CFR 63.7830(b)(4)(iv)]
 Equipment/operational data monitored by visual inspection/determination monthly. Check bag cleaning mechanisms for proper functioning through visual inspection or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(v)]
- 377 [40 CFR 63.7830(b)(4)(ii)] Which Months: All Year Statistical Basis: None specified
- 378 [40 CFR 63.7830(b)(4)(iii)]
 379 [40 CFR 63.7830(b)(4)(iv)]
 380 [40 CFR 63.7830(b)(4)(v)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0015 Cast House 1 Baghouse Vent**

- 381 [40 CFR 63.7830(b)(4)(vii)] Equipment/operational data monitored by visual inspection/determination monthly. Check bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. Subpart FFFFFF. [40 CFR 63.7830(b)(4)(vi)]
- Which Months: All Year Statistical Basis: None specified
- Presence of a leak monitored by visual inspection/determination quarterly. Confirm the physical integrity of the baghouse through inspections of the baghouse interior for air leaks. Subpart FFFFFF. [40 CFR 63.7830(b)(4)(vii)]
- Which Months: All Year Statistical Basis: None specified
- Equipment/operational data monitored by visual inspection/determination quarterly. Inspect fans for wear, material buildup, and corrosion through visual inspections, vibration detectors, or equivalent means. Subpart FFFFFF. [40 CFR 63.7830(b)(4)(viii)]
- Which Months: All Year Statistical Basis: None specified
- Capture system: Conduct a performance evaluation in accordance with the site-specific monitoring plan. Subpart FFFFFF. [40 CFR 63.7831(e)]
- Capture system: Develop and make available for inspection upon request by DEQ a site-specific monitoring plan that addresses the requirements in 40 CFR 63.7831(a)(1) through (a)(8). Subpart FFFFFF. [40 CFR 63.7831(e)]
- Capture system: Operate and maintain in continuous operation according to the site-specific monitoring plan. Subpart FFFFFF. [40 CFR 63.7831(e)]
- Equip bag leak detection system with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level. Locate the alarm such that it can be heard by the appropriate plant personnel. Subpart FFFFFF. [40 CFR 63.7831(f)(3)]
- Install, operate, and maintain each COMS according to Performance Specification 1 in 40 CFR 60 Appendix B. Subpart FFFFFF. [40 CFR 63.7831(h)(1)]
- Conduct a performance evaluation of each COMS according to 40 CFR 63.8 and Performance Specification 1 in 40 CFR 60 Appendix B. Subpart FFFFFF. [40 CFR 63.7831(h)(2)]
- Demonstrate continuous compliance with the operation and maintenance requirements in 40 CFR 63.7800(b) by meeting the requirements of 40 CFR 63.7834(a)(1) through (a)(4). Subpart FFFFFF. [40 CFR 63.7834(a)]
- Maintain a current copy of the operation and maintenance plan required in 40 CFR 63.7800(b) onsite and available for inspection upon request. Keep the plans for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR 63 Subpart FFFFFF. Subpart FFFFFF. [40 CFR 63.7834(b)]
- Submit notification of intent to conduct a performance test: Due at least 60 calendar days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). Subpart FFFFFF. [40 CFR 63.7840(d)]
- Submit notification of compliance status: Due before the close of business on the 30th calendar day following completion of the initial compliance demonstration, for each initial compliance demonstration that does not include a performance test. Subpart FFFFFF. [40 CFR 63.7840(e)(1)]
- Submit notification of compliance status: Due before the close of business on the 60th calendar day following the completion of the performance test according to 40 CFR 63.10(d)(2), for each initial compliance demonstration that does include a performance test. Include the performance test results. Subpart FFFFFF. [40 CFR 63.7840(e)(2)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7842(a) through (d), as applicable. Subpart FFFFFF.
- Total suspended particulate <= 66.12 lb/hr. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0015 Cast House 1 Baghouse Vent**

397 [LAC 33:III.1311.C]

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average.

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Carbon monoxide <= 0.055 lb/ion of hot metal. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

Particulate matter (10 microns or less) <= 0.013 lb/ton of hot metal. Determined as BACT.
 Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.509, LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified

Sulfur dioxide <= 0.04 lb/ion of hot metal. Determined as BACT.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0016 Cast House 2 Baghouse Vent**

- 406 [40 CFR 63.7790(a)] Opacity <= 15 percent, for secondary emissions from any opening in the casthouse or structure housing the blast furnace. Subpart FFFFF. [40 CFR 63.7790(a)]
- 407 [40 CFR 63.7790(a)] Which Months: All Year Statistical Basis: Six-minute average Particulate matter (10 microns or less) <= 0.003 gr/dscf. Subpart FFFFF. [40 CFR 63.7790(a)]
- 408 [40 CFR 63.7790(b)(1)] Which Months: All Year Statistical Basis: None specified Capture system: Operate at or above the lowest value or settings established for the operating limits in the operation and maintenance plan. Subpart FFFFF. [40 CFR 63.7790(b)(1)]
- 409 [40 CFR 63.7800(a)] Always operate and maintain the affected source, including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at least to the levels required by 40 CFR 63 Subpart FFFFF. Subpart FFFFF. [40 CFR 63.7800(a)]
- 410 [40 CFR 63.7800(b)] Prepare and operate at all times according to a written operation and maintenance plan. Include the elements in 40 CFR 63.7800(b)(1) through (b)(7). Subpart FFFFF. [40 CFR 63.7800(b)]
- 411 [40 CFR 63.7821(c)] Conduct subsequent performance tests no less frequently than once during each term of the title V operating permit. Subpart FFFFF. [40 CFR 63.7821(c)]
- 412 [40 CFR 63.7822] Conduct each applicable performance test according to the requirements in 40 CFR 63.7(e)(1) and the conditions detailed in 40 CFR 63.7822(b) through (i). Subpart FFFFF.
- 413 [40 CFR 63.7823(a)] Conduct each applicable performance test according to the requirements in 40 CFR 63.7(h)(5) and the conditions detailed in 40 CFR 63.7823(b) through (e). Subpart FFFFF. [40 CFR 63.7823(a)]
- 414 [40 CFR 63.7824(a)] Certify that the capture system operated during the performance test at the site-specific operating limits established in the operation and maintenance plan using the procedures in 40 CFR 63.7824(a)(1) through (a)(4). Subpart FFFFF. [40 CFR 63.7824(a)]
- 415 [40 CFR 63.7830(a)(1)] Equipment/operational data monitored by visual inspection/determination once every 24 hours. Verify that each damper for the capture system is in the same position as during the initial performance test. Subpart FFFFF. [40 CFR 63.7830(a)(1)]
- 416 [40 CFR 63.7830(a)(2)] Which Months: All Year Statistical Basis: None specified Flow rate monitored by flow rate monitoring device continuously. Monitor the average actual volumetric flow rate through each separately ducted hood according to the requirements in 40 CFR 63.7832. Subpart FFFFF. [40 CFR 63.7830(a)(2)]
- 417 [40 CFR 63.7830(b)(1)] Which Months: All Year Statistical Basis: Hourly average Monitor the relative change in particulate matter loadings using a bag leak detection system according to the requirements in 40 CFR 63.7832. Subpart FFFFF. [40 CFR 63.7830(b)(1)]
- 418 [40 CFR 63.7830(b)(4)(i)] Pressure drop monitored by pressure drop instrument daily. Monitor the pressure drop across each baghouse cell to ensure pressure drop is within the normal operating range identified in the manual. Subpart FFFFF. [40 CFR 63.7830(b)(4)(i)]
- 419 [40 CFR 63.7830(b)(4)(ii)] Which Months: All Year Statistical Basis: None specified Equipment/operational data monitored by visual inspection/determination weekly. Confirm that dust is being removed from hoppers through visual inspections or other means of ensuring the proper functioning of removal mechanisms. Subpart FFFFF. [40 CFR 63.7830(b)(4)(ii)]
- 420 [40 CFR 63.7830(b)(4)(iii)] Which Months: All Year Statistical Basis: None specified Check the compressed air supply for pulse-jet baghouses each day. Subpart FFFFF. [40 CFR 63.7830(b)(4)(iii)]
- 421 [40 CFR 63.7830(b)(4)(iv)] Monitor cleaning cycles to ensure proper operation using an appropriate methodology. Subpart FFFFF. [40 CFR 63.7830(b)(4)(iv)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0016 Cast House 2 Baghouse Vent**

422 [40 CFR 63.7830(b)(4)(v)] Equipment/operational data monitored by visual inspection/determination monthly. Check bag cleaning mechanisms for proper functioning through visual inspection or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(v)]

Which Months: All Year Statistical Basis: None specified

423 [40 CFR 63.7830(b)(4)(vi)] Equipment/operational data monitored by visual inspection/determination monthly. Check bag tension on reverse air and shaker-type baghouses to ensure that bags are not kinked (kneed or bent) or laying on their sides. Subpart FFFFF. [40 CFR 63.7830(b)(4)(vi)]

Which Months: All Year Statistical Basis: None specified

424 [40 CFR 63.7830(b)(4)(vii)] Presence of a leak monitored by visual inspection/determination quarterly. Confirm the physical integrity of the baghouse through inspections of the baghouse interior for air leaks. Subpart FFFFF. [40 CFR 63.7830(b)(4)(vii)]

Which Months: All Year Statistical Basis: None specified

425 [40 CFR 63.7830(b)(4)(viii)] Equipment/operational data monitored by visual inspection/determination quarterly. Inspect fans for wear, material buildup, and corrosion through visual inspections, vibration detectors, or equivalent means. Subpart FFFFF. [40 CFR 63.7830(b)(4)(viii)]

Which Months: All Year Statistical Basis: None specified

Capture system: Conduct a performance evaluation in accordance with the site-specific monitoring plan. Subpart FFFFF. [40 CFR 63.7831(e)]

Capture system: Develop and make available for inspection upon request by DEQ a site-specific monitoring plan that addresses the requirements

in 40 CFR 63.7831(a)(1) through (a)(8). Subpart FFFFF. [40 CFR 63.7831(e)]

426 [40 CFR 63.7831(e)] Capture system: Operate and maintain in continuous operation according to the site-specific monitoring plan. Subpart FFFFF. [40 CFR 63.7831(e)]

427 [40 CFR 63.7831(e)] Equip bag leak detection system with an alarm that will sound when an increase in relative particulate loadings is detected over a preset level.

Locate the alarm such that it can be heard by the appropriate plant personnel. Subpart FFFFF. [40 CFR 63.7831(e)(3)]

428 [40 CFR 63.7831(e)] Install, operate, and maintain each COMS according to Performance Specification 1 in 40 CFR 60 Appendix B. Subpart FFFFF. [40 CFR 63.7831(e)(1)]

Conduct a performance evaluation of each COMS according to 40 CFR 63.8 and Performance Specification 1 in 40 CFR 60 Appendix B.

Subpart FFFFF. [40 CFR 63.7831(h)(2)]

429 [40 CFR 63.7831(h)(3)] Demonstrate continuous compliance with the operation and maintenance requirements in 40 CFR 63.7800(b) by meeting the requirements of 40 CFR 63.7834(a)(1) through (a)(4). Subpart FFFFF. [40 CFR 63.7834(a)]

430 [40 CFR 63.7831(h)(1)] Maintain a current copy of the operation and maintenance plan required in 40 CFR 63.7800(b) onsite and available for inspection upon request. Subpart FFFFF. [40 CFR 63.7834(b)]

431 [40 CFR 63.7831(h)(2)] Keep the plans for the life of the affected source or until the affected source is no longer subject to the requirements of 40 CFR 63 Subpart FFFFF. Subpart FFFFF. [40 CFR 63.7834(b)]

432 [40 CFR 63.7834(a)] Submit notification of intent to conduct a performance test: Due at least 60 calendar days before the performance test is scheduled to begin as required in 40 CFR 63.7(b)(1). Subpart FFFFF. [40 CFR 63.7840(d)]

433—[40 CFR 63.7834(b)] Submit notification of compliance status: Due before the close of business on the 30th calendar day following completion of the initial compliance demonstration, for each initial compliance demonstration that does not include a performance test. Subpart FFFFF. [40 CFR 63.7840(e)(1)]

434 [40 CFR 63.7840(d)] Submit notification of compliance status: Due before the close of business on the 60th calendar day following the completion of the performance test according to 40 CFR 63.10(d)(2), for each initial compliance demonstration that does include a performance test. Include the performance test results. Subpart FFFFF. [40 CFR 63.7840(e)(2)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0016 Cast House 2 Baghouse Vent**

Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Keep records of the information specified in 40 CFR 63.7842(a) through (d), as applicable. Subpart FFFFF.

Total suspended particulate <= 66.12 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack test methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pre-test meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

Carbon monoxide <= 0.055 lb/ton of hot metal. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

Particulate matter (10 microns or less) <= 0.013 lb/ton of hot metal. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

444 [LAC 33:III.509]

445 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0016 Cast House 2 Baghouse Vent**

- Particulate matter (10 microns or less) $\geq 99.0\%$ removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.509, LAC 33:III.507.H.1.a]
 Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide ≤ 0.04 lb/ton of hot metal. Determined as BACT.
 Which Months: All Year Statistical Basis: None specified
- 446 [LAC 33:III.509]
 447 [LAC 33:III.509]

EQT0036 Slag Granulator 1 Granulation Tank 1

- Total suspended particulate ≤ 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Bact is determined to be no additional controls other than the inherent process of molten slag being rapidly cooled and granulated by high pressure water jets while falling freely from the end of the blast furnace slag runner.
- 448 [LAC 33:III.1311.B]
 449 [LAC 33:III.509]

EQT0037 Slag Granulator 1 Granulation Tank 2

- Total suspended particulate ≤ 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Bact is determined to be no additional controls other than the inherent process of molten slag being rapidly cooled and granulated by high pressure water jets while falling freely from the end of the blast furnace slag runner.

EQT0038 Slag Granulator 2 Granulation Tank 1

- Total suspended particulate ≤ 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Bact is determined to be no additional controls other than the inherent process of molten slag being rapidly cooled and granulated by high pressure water jets while falling freely from the end of the blast furnace slag runner.
- 450 [LAC 33:III.1311.B]
 451 [LAC 33:III.509]
 453 [LAC 33:III.509]

EQT0039 Slag Granulator 2 Granulation Tank 2

- Total suspended particulate ≤ 49.77 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Bact is determined to be no additional controls other than the inherent process of molten slag being rapidly cooled and granulated by high pressure water jets while falling freely from the end of the blast furnace slag runner.
- 454 [LAC 33:III.1311.B]
 455 [LAC 33:III.509]

EQT0040 Air-Cooled Slag Processing Load Bin

- Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
- 456 [LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0040 Air-Cooled Slag Processing Load Bin**

- 457 [LAC 33.III.1311.B] Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 BACT is selected to be wet suppression of dust generating sources (slag granulation) by water sprays. This technology is inherent to the granulated slag process.
- 458 [LAC 33.III.509]

EQT0041 Air-Cooled Slag Processing Primary Crusher

- 459 [LAC 33.III.1311.B] Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 BACT is selected to be wet suppression of dust generating sources (slag granulation) by water sprays. This technology is inherent to the granulated slag process.
- 460 [LAC 33.III.1311.C]
- 461 [LAC 33.III.509]

EQT0042 Air-Cooled Slag Processing Primary Screening

- 462 [LAC 33.III.1311.B] Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 BACT is selected to be wet suppression of dust generating sources (slag granulation) by water sprays. This technology is inherent to the granulated slag process.
- 463 [LAC 33.III.1311.C]
- 464 [LAC 33.III.509]

EQT0043 Air-Cooled Slag Processing Secondary Crusher

- 465 [LAC 33.III.1311.B] Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: Six-minute average
 BACT is selected to be wet suppression of dust generating sources (slag granulation) by water sprays. This technology is inherent to the granulated slag process.
- 466 [LAC 33.III.1311.C]
- 467 [LAC 33.III.509]

EQT0044 Air-Cooled Slag Processing Secondary Screen

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0044 Air-Cooled Slag Processing Secondary Screen**

468 [LAC 33:III.1311.B]

Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 BACT is selected to be wet suppression of dust generating sources (slag granulation) by water sprays. This technology is inherent to the granulated slag process.

EQT0045 Slag Mill Wet Slag Feed Bin

471 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

BACT is selected to be wet suppression of dust generating sources (slag granulation) by water sprays. This technology is inherent to the granulated slag process.

EQT0046 Slag Mill Dryer Baghouse Vent

474 [40 CFR 64.3(b)(3)]

Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)]

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semimannual or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [40 CFR 64.6(c)(1), LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified

Fabric Filter Pressure drop monitored by pressure drop instrument once every 15 minutes. [40 CFR 64.6(c)(1)]

Which Months: All Year Statistical Basis: Hourly average

Fabric filter Pressure drop >= 3 and <= 110 inches w.c. [40 CFR 64.6(c)(1), LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: Hourly average

Opacity monitored by 40 CFR 60, Appendix A, Method 9 upon occurrence of event of observing visible emissions. [40 CFR 64.6(c)(1)]

Which Months: All Year Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.6(c)(4), LAC 33:III.507.H.1.a]

Fabric Filter Pressure drop recordkeeping by electronic or hard copy daily. [40 CFR 64.6(c)(4)]

Opacity recordkeeping by electronic or hard copy at the approved frequency. [40 CFR 64.6(c)(4)]

Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-Y0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area

- EQT0046 Slag Mill Dryer Baghouse Vent**
- Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
- Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(i). [40 CFR 64.9(b)(1)]
- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of fabric filter differential pressure monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- Total suspended particulate < = 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified
- Opacity < = 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Particulate matter (10 microns or less) > = 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.501.C.6, LAC 33.III.131.I.C]
- Which Months: All Year Statistical Basis: None specified
- 483 [40 CFR 64.7(b)]
- 484 [40 CFR 64.7(c)]
- 485 [40 CFR 64.7(d)(1)]
- 486 [40 CFR 64.9(a)]
- 487 [40 CFR 64.9(b)(1)]
- 488 [40 CFR 64.9(b)(1)]
- 489 [40 CFR 64.9(b)(1)]
- 490 [LAC 33.III.131.I.B]
- 491 [LAC 33.III.131.I.C]
- 492 [LAC 33.III.501.C.6]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0046 Slag Mill Dryer Baghouse Vent**

493 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions per 40 CFR 60, Appendix A, Method 22 are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard:-(lbs/MMBtu, gr/dscf, lbs SO₂/ton) 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity. BACT is also selected as collection and control by fabric filters.

EQT0047 Slag Mill Dry Slag Feed Bin Baghouse Vent

499 [LAC 33:III.1311.B]

Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

500 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified
Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0047 Slag Mill Dry Slag Feed Bin Baghouse Vent**

503 [LAC 33:III.507.H.1.a]

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 BACT is also selected as collection and control by fabric filters.

EQT0048 Slag Mill Crushers/Screeners Baghouse Vent

507 [LAC 33:III.1311.B]

Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 BACT is also selected as collection and control by fabric filters.

EQT0049 Slag Mill Building Baghouse Vent

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0049 Slag Mill Building Baghouse Vent**

515	[40 CFR 64.3(b)(3)]	Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)]
516	[40 CFR 64.6(c)(1)]	Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semimannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [40 CFR 64.6(c)(1), LAC 33:III.507.H.1.a]
517	[40 CFR 64.6(c)(1)]	Which Months: All Year Statistical Basis: None specified
518	[40 CFR 64.6(c)(1)]	Fabric Filter Pressure drop monitored by pressure drop instrument once every 15 minutes. [40 CFR 64.6(c)(1)]
519	[40 CFR 64.6(c)(1)]	Which Months: All Year Statistical Basis: Hourly average
520	[40 CFR 64.6(c)(4)]	Fabric filter Pressure drop \geq 3.5 and $<=$ 11.0 inches w.c. [40 CFR 64.6(c)(1), LAC 33:III.501.C.6]
521	[40 CFR 64.6(c)(4)]	Which Months: All Year Statistical Basis: Hourly average
522	[40 CFR 64.6(c)(4)]	Opacity monitored by 40 CFR 60, Appendix A, Method 9 upon occurrence of event of observing visible emissions. [40 CFR 64.6(c)(1)]
523	[40 CFR 64.7(a)]	Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.6(c)(4), LAC 33:III.507.H.1.a]
524	[40 CFR 64.7(b)]	Fabric Filter Pressure drop recordkeeping by electronic or hard copy once every 15 minutes. [40 CFR 64.6(c)(4)]
525	[40 CFR 64.7(c)]	Opacity recordkeeping by electronic or hard copy at the approved frequency. [40 CFR 64.6(c)(4)]
526—[40 CFR 64.7(d)(1)]—		Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64(d). [40 CFR 64.7(a)]
527	[40 CFR 64.9(a)]	Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
528	[40 CFR 64.9(b)(1)]	Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
		Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
		Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
		Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-Y0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0049 Slag Mill Building Baghouse Vent**

- Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of fabric filter differential pressure monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
- Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Conduct a performance/emissions test: Due within two and one half years, plus or minus 6 months, of when the previous performance test was performed. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions per 40 CFR 60, Appendix A, Method 22 are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0049 Slag Mill Building Baghouse Vent**

538 [LAC 33:III.507.H.1.a]

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBU, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

BACT is also selected as collection and control by fabric filters.

539 [LAC 33:III.509]

Particulate matter (10 microns or less) \geq 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. {LAC 33:III.509, LAC 33:III.501.C.6}

Which Months: All Year Statistical Basis: None specified

EQT0050 Slag Mill Transfer Points Baghouse Vent

541 [LAC 33:III.1311.B]

Total suspended particulate \leq 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

542 [LAC 33:III.1311.C]

Which Months: All Year Statistical Basis: Six-minute average particulate matter (10 microns or less) \geq 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. {LAC 33:III.501.C.6, LAC 33:III.509}

543 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

544 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

545 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

546 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

547 [LAC 33:III.507.H.1.a]

BACT is also selected as collection and control by fabric filters.

548 [LAC 33:III.509]

EQT0051 Slag Mill Product Silo Baghouse Vent

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-y0

Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0051 Slag Mill Product Silo Baghouse Vent**

- 549 [LAC 33.III.1311.B] Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified
Opacity <= 20 percent, except emissions may have an average opacity in excess of 20 percent for not more than one six minute period in any 60 consecutive minutes.
- 550 [LAC 33.III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33.III.501.C.6, LAC 33.III.509]
- 551 [LAC 33.III.501.C.6] Which Months: All Year Statistical Basis: None specified
Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- 552 [LAC 33.III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 553 [LAC 33.III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- 554 [LAC 33.III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- 555 [LAC 33.III.507.H.1.a] BACT is also selected as collection and control by fabric filters.

EQT0052 Slag Mill Loading Collector Baghouse Vent

- 557 [40 CFR 64.3(b)(3)] Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)]
- 558 [40 CFR 64.6(c)(1)] Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [40 CFR 64.6(c)(1), LAC 33.III.507.H.1.a]
- 559 [40 CFR 64.6(c)(1)] Which Months: All Year Statistical Basis: None specified
Fabric Filter Pressure drop monitored by pressure drop instrument once every 15 minutes. [40 CFR 64.6(c)(1)]
- 560 [40 CFR 64.6(c)(1)] Which Months: All Year Statistical Basis: Hourly average
Fabric filter Pressure drop >= 3.5 and <= 11.0 inches w.c. [40 CFR 64.6(c)(1), LAC 33.III.501.C.6]
- 561 [40 CFR 64.6(c)(1)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 upon occurrence of event of observing visible emissions. [40 CFR 64.6(c)(1)]
- Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0052 Slag Mill Loading Collector Baghouse Vent**

- 562 [40 CFR 64.6(c)(4)]
Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.6(c)(4), LAC 33:III.507 H.1.a]
Fabric Filter Pressure drop recordkeeping by electronic or hard copy once every 15 minutes. [40 CFR 64.6(c)(4)]
- 563 [40 CFR 64.6(c)(4)]
Opacity recordkeeping by electronic or hard copy at the approved frequency. [40 CFR 64.6(c)(4)]
- 564 [40 CFR 64.6(c)(4)]
Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- 565 [40 CFR 64.7(a)]
Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- 566 [40 CFR 64.7(b)]
Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 567 [40 CFR 64.7(c)]
Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
- 568 [40 CFR 64.7(d)(1)]
Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 569 [40 CFR 64.9(a)]
Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 570 [40 CFR 64.9(b)(1)]
Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of fabric filter differential pressure monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 571 [40 CFR 64.9(b)(1)]
Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 572 [40 CFR 64.9(b)(1)]
Total suspended particulate <= 52.26 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**EQT0052 Slag Mill Loading Collector Baghouse Vent**

574 [LAC 33:III.131].C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average.

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions per 40 CFR 60, Appendix A, Method 22 are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

BACT is also selected as collection and control by fabric filters.

Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.509, LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

GRP0004 Slag Granulator 1 Cap

Group Members: EQT0036 EQT0037

582 [LAC 33:III.501.C.6] Slag Mass flow rate <= 598687.3 tons/yr into the Slag Granulator Granulation Tanks. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total slag production exceeds the maximum listed in this specific condition for any twelve consecutive month period. Slag diverted to the Blast Furnace Slag Pits shall not be included in determining total slag production. [State Only].

Which Months: All Year Statistical Basis: 12-month rolling sum

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TPOR0147

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**GRP004 Slag Granulator 1 Cap**

583 [LAC 33:III.501.C.6]

Slag Mass monitored by technically sound method upon occurrence of event. [State Only].

Which Months: All Year Statistical Basis: None specified

584 [LAC 33:III.501.C.6]

Slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total slag production for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

GRP005 Blast Furnace 1 Slag Pits Cap

Group Members: ARE0005 ARE0006 ARE0007

585 [LAC 33:III.501.C.6]

Diverted slag Mass <= 59868.73 tons/yr into the blast furnace slag pits. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the diverted slag exceeds the maximum listed in this specific condition for any twelve consecutive month period. [State Only].

586 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: 12-month rolling sum

587 [LAC 33:III.501.C.6]

Diverted slag Mass monitored by technically sound method upon occurrence of event. [State Only].
 Which Months: All Year Statistical Basis: None specified
 Diverted slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total diverted slag for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

GRP006 Slag Granulator 2 Cap

Group Members: EQT0038 EQT0039

588 [LAC 33:III.501.C.6]

Slag Mass flow rate <= 598687.3 tons/yr into the Slag Granulator Granulation Tanks. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total slag production exceeds the maximum listed in this specific condition for any twelve consecutive month period. Slag diverted to the Blast Furnace Slag Pits shall not be included in determining total slag production. [State Only].

589 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: 12-month rolling sum

590 [LAC 33:III.501.C.6]

Slag Mass monitored by technically sound method upon occurrence of event. [State Only].
 Which Months: All Year Statistical Basis: None specified
 Slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total slag production for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

GRP007 Blast Furnace 2 Slag Pits Cap

Group Members: ARE0008 ARE0009 ARE0010

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

Group: PCS0003 Slag Mill Process Area**GRP007 Blast Furnace 2 Slag Pits Cap**

- 591 [LAC 33:III.501.C.6] Diverted slag Mass <= 59868.73 tons/yr into the blast furnace slag pits. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the diverted slag exceeds the maximum listed in this specific condition for any twelve consecutive month period. [State Only].
- 592 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: 12-month rolling sum
- Diverted slag Mass monitored by technically sound method upon occurrence of event. [State Only].
- 593 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
- Diverted slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total diverted slag for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

RLP0014 Slag Mill Dryer Stack

- 594 [LAC 33:III.131.C] Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
- Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]
- 595 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: All Year Statistical Basis: None specified
- Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
- Which Months: All Year Statistical Basis: None specified
- Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
- Which Months: All Year Statistical Basis: None specified
- Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- BACT is also selected as collection and control by fabric filters.

ARE002 Unpaved Road Fugitive Dust

- 601 [LAC 33:III.509] BACT is roadway watering and reduced speed limit on unpaved roads.
- 602 [LAC 33:III.509] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.509, LAC 33:III.1305]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

ARE0003 Paved Road Fugitive Dust

BACT is selected as roadway watering.

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7. [LAC 33:III.1305]

ARE0004 Conveyor Fugitives

605 [LAC 33:III.509]

BACT is selected to be enclosed conveyors as the most stringent control option for material handling conveyors. Water sprays and partial enclosures are additional control methods which will be employed at specific and drop points.

CRG0001 Common Requirements for Wet Suppression Systems

Group Members: ARE0011 EQT0017 EQT0018 FUG0001 FUG0002 FUG0003 FUG0004 FUG0005 FUG0006 FUG0007 FUG0008

606 [LAC 33:III.1305] Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

607 [LAC 33:III.509] BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT, to be employed at specific loading and drop points, as well as material piles.

CRG0002-Common Requirements for Power Boilers

Group Members: EQT0023 EQT0024 EQT0025 EQT0027 EQT0028 EQT0029 EQT0030

608 [40 CFR 60.42b]

Sulfur dioxide $\leq 0.20 \text{ lb/MMBTU}$ (87 ng/J) heat input, as determined using the specified equation. Except as provided in 40 CFR 60.42b(i), the sulfur dioxide emission limits apply at all times, including periods of startup, shutdown, and malfunction. Subpart Db.

Which Months: All Year Statistical Basis: Thirty-day rolling average

Opacity ≤ 20 percent, except for one 6-minute period per hour of not more than 27% opacity. The opacity standards apply at all times, except during periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.43b(f)]

Which Months: All Year Statistical Basis: Six-minute average

Particulate matter ($10 \text{ microns or less}$) $\leq 0.030 \text{ lb/MMBTU}$ (1.3 ng/J) heat input. The particulate matter standards apply at all times, except during periods of startup, shutdown, or malfunction. Subpart Db.

Which Months: All Year Statistical Basis: None specified

Nitrogen oxides $\leq 0.50 \text{ lb/MMBTU}$ (210 ng/J) heat input (expressed as NO₂), except as provided in 40 CFR 60.44b(k). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db.

Which Months: All Year Statistical Basis: Thirty-day rolling average

Determine compliance with the PM and opacity standards in 40 CFR 60.43b through performance testing as described in 40 CFR 60.46b(d), except as provided in 40 CFR 60.46b(i). Subpart Db. [40 CFR 60.46b(b)]

Determine compliance with the NO_x standards in 40 CFR 60.44b through performance testing under 40 CFR 60.46b(e) or (f), or under 40 CFR 60.46b(g) or (h), as applicable. Subpart Db. [40 CFR 60.46b(c)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-Y0
Air - Title V Regular Permit Initial

CRG0002 Common Requirements for Power Boilers

- Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d), except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
- Which Months: All Year Statistical Basis: One-hour average
- Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
- Oxygen or Carbon dioxide monitored by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
- Which Months: All Year Statistical Basis: One-hour average
- Oxygen or Carbon dioxide recordkeeping by CMS continuously, except as provided in 40 CFR 60.48b(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
- Operate NO_x continuous monitoring systems and record data during all periods of operation except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]
- Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NO_x and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]
- When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]
- Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]
- Submit notification. Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]
- Submit the performance test data from the initial performance test and the performance evaluation of the CEMS using the applicable performance specifications in 40 CFR 60 Appendix B to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- Opacity recordkeeping by CMS continuously. Subpart Db. [40 CFR 60.49b(f)]
- Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p).
- Subpart Db. [40 CFR 60.49b(g)]
- Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]
- Submit a report to DEQ containing the sulfur dioxide emission rate information listed in 40 CFR 60.49b(k)(1) through (k)(11). Subpart Db. [40 CFR 60.49b(k)]
- Submit the information listed in 40 CFR 60.49b(m)(1) through (m)(4) in addition to that required under 40 CFR 60.49b(k), when the minimum amount of SO₂ data required under 40 CFR 60.47b(f) were not obtained during the reporting period. Subpart Db. [40 CFR 60.49b(m)]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER2008001
 Permit Number: 2560-00281-Y0
 Air - Title V Regular Permit Initial

CRG0002 Common Requirements for Power Boilers

- Maintain all records required under 40 CFR 60.49b for a period of 2 years following the date of such record. Subpart Db, [40 CFR 60.49b(o)]
 Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator,
 equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute
 period in any 60 consecutive minutes.
 Which Months: All Year Statistical Basis: None specified
 Total suspended particulate <= 0.6 lb/MMBTU of heat input.
 Which Months: All Year Statistical Basis: None specified
 Sulfur dioxide <= 2000 ppmv at standard conditions.
 Which Months: All Year Statistical Basis: Three-hour average
 Determine compliance with the appropriate emission limitation in LAC 33:III.1503.A through 1503.C using the methods listed in LAC
 33:III.1503.D. Table 4, or any such equivalent method, as may be approved by DEQ. Use these methods for initial compliance determinations and
 for any additional compliance determinations as requested by DEQ.
 Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence. Record the initial and additional compliance
 determination data.
 Submit compliance determination results: Due no later than 90 days after completion of test.
 Make all compliance data available to a representative of DEQ or the U.S. EPA, on request.
 Submit excess emissions report: Due quarterly in accordance with LAC 33:1.Chapter 39. Submit reports of three-hour excess emissions and
 reports of emergency conditions.
 Submit report: Due annually, by the 31st of March, in accordance with LAC 33:III.918. Report data required to demonstrate compliance with
 the provisions of LAC 33:III. Chapter 15.
 Do not emit the carbon monoxide gases generated during the operation of a gray iron cupola, blast furnace or basic oxygen steel furnace unless
 they are burned in a direct-flame afterburner or are controlled by other means approved by DEQ. Combustion in the Power Boiler is approved.
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after
 achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance
 with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Since the eight
 power boilers listed in this permit are identical in nature, any four out of the eight power boilers can be tested to demonstrate compliance. Test
 methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination
 of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and
 Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior
 approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and
 such other safe and proper sampling and testing facilities for proper determination of the emission limits.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

CRG0002 Common Requirements for Power Boilers

642 [LAC 33:III.507.H.1.a]

Conduct a performance/emissions test: Due within five years, plus or minus 9 months, of when the previous performance test was performed. Since the eight power boilers listed in this permit are identical in nature, the four out of the eight power boilers not tested in the previous testing period are to be tested to demonstrate compliance. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

643 [LAC 33:III.507.H.1.a]

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, 10 provide the opportunity to conduct a pretest meeting and observe the emission testing. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTU, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity. Blast Furnace Top Gas Fuel Sulfur dioxide <= 0.039 lb/MMBTU. Determined as BACT. BACT for SO₂ emissions from the power boiler is no add-on or combustion control other than the low-sulfur BFG fuel.

644 [LAC 33:III.507.H.1.a]

Which Months: All Year Statistical Basis: None specified
 Carbon monoxide <= 0.0024 lb/MMBTU. Determined as BACT. BACT is also selected to be good combustion practices during the operation of the Power Boiler.

645 [LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified
 Natural Gas Fuel Hydrogen sulfide <= 0.0025 gr/dscf. BACT is to purchase natural gas containing no more than 2500 gr of Sulfur as Hydrogen Sulfide per MM scf.

646 [LAC 33:III.509]

Which Months: All Year Statistical Basis: Twelve-calendar month average
 Nitrogen dioxide <= 0.092 lb/MMBTU for total fuel combusted. Determined as BACT.

647 [LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) <= 0.002 gr/dscf. Determined as BACT.

648 [LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified
 VOC, Total <= 0.0054 lb/MMBTU. Determined as BACT. BACT is also selected to be good combustion practices during the operation of the power boiler.

649 [LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified

650 [LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified

EQT0017 Dock 1 Loading/Unloading Gantry Crane

651 [LAC 33:III.13(1)(B)]

Total suspended particulate <= 90.87 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

EQT0017 Dock 1 Loading/Unloading Gantry Crane

BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT; to be employed at specific loading and drop points, as well as material piles.

EQT0018 Dock 2 Loading/Unloading Gantry Crane

653 [LAC 33:III.1311.B] Total suspended particulate <= 90.87 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified
BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT; to be employed at specific loading and drop points, as well as material piles.

EQT0019 Blast Furnace 1 Topgas Dust Catcher

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
654 [LAC 33:III.1311.B] Total suspended particulate <= 43.64 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified
BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT; to be employed at specific loading and drop points, as well as material piles.

EQT0020 Blast Furnace 2 Topgas Dust Catcher

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.
656 [LAC 33:III.1311.B] Total suspended particulate <= 43.64 lb/hr. The rate of emission shall be the total of all emission points from the source.
Which Months: All Year Statistical Basis: None specified
BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT; to be employed at specific loading and drop points, as well as material piles.

EQT0021-Pig Iron Desulfurization Station Baghouse Vent

Specific QA/QC Procedures: Calibrate, operate, and maintain instrumentation using procedures that take into account manufacturer's specifications. [40 CFR 64.3(b)(3)]
Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary. [40 CFR 64.6(c)(1), LAC 33:III.507.H.1.a]
661 [40 CFR 64.3(b)(3)] Which Months: All Year Statistical Basis: None specified
Fabric Filter Pressure drop monitored by pressure drop instrument once every 15 minutes. [40 CFR 64.6(c)(1)]
662 [40 CFR 64.6(c)(1)] Which Months: All Year Statistical Basis: Hourly average
Fabric filter Pressure drop >= 3.5 and <= 11.0 inches w.c. [40 CFR 64.6(c)(1), LAC 33:III.501.C.6]
663 [40 CFR 64.6(c)(1)] Which Months: All Year Statistical Basis: Hourly average
664 [40 CFR 64.6(c)(1)] Which Months: All Year Statistical Basis: Hourly average

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
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EQT0021 Pig Iron Desulfurization Station Baghouse Vent

- 665 [40 CFR 64.6(c)(1)] Opacity monitored by 40 CFR 60, Appendix A, Method 9 upon occurrence of event of observing visible emissions. [40 CFR 64.6(c)(1)]
 Which Months: All Year Statistical Basis: None specified
- 666 [40 CFR 64.6(c)(4)] Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. [40 CFR 64.6(c)(4), LAC 33:III.507.H.1.a]
- 667 [40 CFR 64.6(c)(4)] Fabric Filter Pressure drop recordkeeping by electronic or hard copy once every 15 minutes. [40 CFR 64.6(c)(4)]
- 668 [40 CFR 64.6(c)(4)] Opacity recordkeeping by electronic or hard copy at the approved frequency. [40 CFR 64.6(c)(4)]
- 669 [40 CFR 64.7(a)] Conduct the monitoring required under 40 CFR 64 upon issuance of a part 70 or 71 permit that includes such monitoring, or by such later date specified in the permit pursuant to 40 CFR 64.6(d). [40 CFR 64.7(a)]
- 670 [40 CFR 64.7(b)] Maintain the monitoring required under 40 CFR 64 at all times, including but not limited to maintaining necessary parts for routine repairs of the monitoring equipment. [40 CFR 64.7(b)]
- 671 [40 CFR 64.7(c)] Conduct all monitoring required under 40 CFR 64 in continuous operation (or collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating, except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments). Do not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities for purposes of 40 CFR 64, including data averages and calculations, or for fulfilling a minimum data availability requirement, if applicable. Use all the data collected during all other periods in assessing the operation of the control device and associated control system. [40 CFR 64.7(c)]
- 672 [40 CFR 64.7(d)(1)] Restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable upon detecting an excursion or exceedance, in accordance with good air pollution control practices for minimizing emissions. Minimize the period of any startup, shutdown or malfunction, and take any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). [40 CFR 64.7(d)(1)]
- 673 [40 CFR 64.9(a)] Submit report: Due on and after the date specified in 40 CFR 64.7(a) by which the owner or operator must use monitoring that meets the requirements of 40 CFR 64. Submit monitoring reports to the DEQ in accordance with 40 CFR 70.6(a)(3)(iii). Include in a report for monitoring under 40 CFR 64, at a minimum, the information required under 40 CFR 70.6(a)(3)(iii) and the information specified in 40 CFR 64.9(a)(2)(i) through (a)(2)(iii), as applicable. [40 CFR 64.9(a)]
- 674 [40 CFR 64.9(b)(1)] Comply with the recordkeeping requirements specified in 40 CFR 70.6(a)(3)(ii). [40 CFR 64.9(b)(1)]
- 675 [40 CFR 64.9(b)(1)] Equipment/operational data recordkeeping by electronic or hard copy at the approved frequency. Maintain records of fabric filter differential pressure monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to 40 CFR 64.8 and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under 40 CFR 64 (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions). Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 676 [40 CFR 64.9(b)(1)] Monitoring data recordkeeping by electronic or hard copy at the approved frequency. Maintain these records for a period of at least five years. [40 CFR 64.9(b)(1)]
- 677 [LAC 33:III.1311.B] Total suspended particulate <= 66.12 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

EQT0021 Pig Iron Desulfurization Station Baghouse Vent

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Conduct a performance/emissions test: Due within two and one half years, plus or minus 6 months, of when the previous performance test was performed. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions per 40 CFR 60, Appendix A, Method 22 are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton 100% H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) - Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

BACT is also selected as collection and control by fabric filters.

Particulate matter (10 microns or less) <= 0.009 lb/ton of hot metal processed. Determined as BACT.

Which Months: All Year Statistical Basis: None specified
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.509, LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified

EQT0022 Pig Iron Solidification Baghouse Vent

678 [LAC 33:III.1311.C]

679 [LAC 33:III.507.H.1.a]

680 [LAC 33:III.507.H.1.a]

681 [LAC 33:III.507.H.1.a]

682 [LAC 33:III.507.H.1.a]

683 [LAC 33:III.507.H.1.a]

684 [LAC 33:III.507.H.1.a]

685 [LAC 33:III.509]

686 [LAC 33:III.509]

687 [LAC 33:III.509]

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00231-V0
Air - Title V Regular Permit Initial

EQT0022 Pig Iron Solidification Baghouse Vent

688 [LAC 33:III.1311.B] Total suspended particulate <= 74.01 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

689 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]

690 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

691 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

692 [LAC 33:III.507.H.1.a] Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

693 [LAC 33:III.507.H.1.a] Which Months: All Year Statistical Basis: None specified
 Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

694 [LAC 33:III.507.H.1.a] BACT is also selected as collection and control by fabric filters.

695 [LAC 33:III.509] Particulate matter (10 microns or less) <= 0.0019 lb/ton of hot metal processed. Determined as BACT.
 Which Months: All Year Statistical Basis: None specified

EQT0053 Stock House 1 Baghouse Vent

696 [LAC 33:III.509] Total suspended particulate <= 75.97 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

697 [LAC 33:III.1311.B] Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]

698 [LAC 33:III.1311.C] Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.

699 [LAC 33:III.501.C.6] Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

TP080147

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

EQT0053 Stock House 1 Baghouse Vent

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 BACT is also selected as collection and control by fabric filters.

EQT0054 Stock House 2 Baghouse Vent

Total suspended particulate <= 75.97 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]

Which Months: All Year Statistical Basis: None specified

Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified

Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.

Which Months: All Year Statistical Basis: None specified

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
 BACT is also selected as collection and control by fabric filters.

EQT0055 Blast Furnace 1 Topgas Flare Pilot

Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified
 Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-00281-V0

Air - Title V Regular Permit Initial

EQT0055 Blast Furnace 1 Topgas Flare Pilot

715 [LAC 33:III.507.H.1.a]

Presence of a flame monitored by heat sensing device continuously.

Which Months: All Year Statistical Basis: None specified

Presence of a flame recordkeeping by electronic or hard copy continuously

EQT0056 Blast Furnace 2 Topgas Flare Pilot

717 [LAC 33:III.1105]

Opacity <= 20 percent, except for a combined total of six hours in any 10 consecutive day period, for burning in connection with pressure valve releases for control over process upsets.

Which Months: All Year Statistical Basis: None specified

Develop a corrective action plan for re-lighting the flare. Plan must be kept readily available for immediate implementation in the event the flare needs to be re-lit.

Presence of a flame monitored by heat sensing device continuously.

Which Months: All Year Statistical Basis: None specified

Presence of a flame recordkeeping by electronic or hard copy continuously

EQT0057 Gasoline Storage Tank

721 [LAC 33:III.2103.A]

Equip with a submerged fill pipe.

722 [LAC 33:III.2103.H.3] Determine VOC maximum true vapor pressure using the methods in LAC 33:III.2103.H.3.a-e.

Equipment/operational data recordkeeping by electronic or hard copy at the regulations specified frequency. Keep records of the information specified in LAC 33:III.2103.I.1 - 7, as applicable.

EQT0059 Wagon Tipper

724 [LAC 33:III.1305]

Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.

Total suspended particulate <= 79.97 lb/hr. The rate of emission shall be the total of all emission points from the source.

Which Months: All Year Statistical Basis: None specified

BACT for material handling conveyors is determined to be enclosed conveyors. Water sprays and partial enclosures are determined as work practice BACT; to be employed at specific loading and drop points, as well as material piles.

EQT0060 Blast Furnace Cooling Tower

727 [LAC 33:III.509]

Equip cooling tower with mist eliminating baffles. Determined as BACT.

Solids, Total Dissolved <= 1100 mg/l. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

EQT0061 Iron Solidification Cooling Tower

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana

Activity Number: PER20080001

Permit Number: 2560-J0281-V0

Air - Title V Regular Permit Initial

EQT0061 Iron Solidification Cooling Tower

729 [LAC 33:III.509] Equip cooling tower with mist eliminating baffles. Determined as BACT.

730 [LAC 33:III.509] Solids, Total Dissolved <= 1100 mg/l. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

EQT0062 Air Separation Plant Cooling Tower

731 [LAC 33:III.509] Equip cooling tower with mist eliminating baffles. Determined as BACT.

732 [LAC 33:III.509] Solids, Total Dissolved <= 1100 mg/l. Determined as BACT.

Which Months: All Year Statistical Basis: None specified

FUG0001 Coal Storage Piles

733 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

FUG0002 Iron Ore Pellet Storage Piles

734 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

FUG0003 Flux Storage Piles

735 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

FUG0004 Pig Iron Storage Piles

736 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

FUG0005 Granulated Slag Storage Piles

737 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

FUG0006 Sinter Storage Piles

738 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

FUG0007 Coke Breeze Storage Piles

739 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

FUG0008 Mill Scale Storage Piles

740 [LAC 33:III.509] BACT is selected to be implementation of wet suppression of dust generating sources by water sprays at each storage pile site.

GRP0003 Topgas Boilers Cap

Group Members: EQT0023 EQT0024 EQT0025 EQT0026 EQT0027 EQT0028 EQT0029 EQT0030

- 741 [LAC 33:III.501.C.6] Nitrogen oxides <= 1616.86 tons/yr from all Power Boilers. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if NOx exceeds the maximum listed in this specific condition for any twelve consecutive month period. [State Only].
 Which Months: All Year Statistical Basis: 12-month rolling sum
 Nitrogen oxides monitored by continuous emission monitor (CEM) continuously. [State Only].
 Which Months: All Year Statistical Basis: None specified
 Nitrogen oxides recordkeeping by continuous emission monitor (CEM) continuously. Keep records of the total NOx each month, as well as the total NOx for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

GRP0004 Slag Granulator 1 Cap

Group Members: EQT0036 EQT0037

- 744 [LAC 33:III.501.C.6] Slag Mass flow rate <= 5986687.3 tons/yr into the Slag Granulator Granulation Tanks. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total slag production exceeds the maximum listed in this specific condition for any twelve consecutive month period. Slag diverted to the Blast Furnace Slag Pits shall not be included in determining total slag production. [State Only].
 Which Months: All Year Statistical Basis: 12-month rolling sum
 Slag Mass monitored by technically sound method upon occurrence of event. [State Only].
 Which Months: All Year Statistical Basis: None specified
 Slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total slag production for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

GRP0005 Blast Furnace 1 Slag Pits Cap

Group Members: ARE0005 ARE0006 ARE0007

- 747 [LAC 33:III.501.C.6] Diverted slag Mass <= 5986873 tons/yr into the blast furnace slag pits. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the diverted slag exceeds the maximum listed in this specific condition for any twelve consecutive month period. [State Only].
 Which Months: All Year Statistical Basis: 12-month rolling sum
 Diverted slag Mass monitored by technically sound method upon occurrence of event. [State Only].
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

A1 ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

GRP0005 Blast Furnace 1 Slag Pits Cap

749 [LAC 33:III.501.C.6]

Diverted slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total diverted slag for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

GRP0006 Slag Granulator 2 Cap

Group Members: EQT0038 EQT0039

750 [LAC 33:III.501.C.6]

Slag Mass flow rate <= 598687.3 tons/yr into the Slag Granulator Granulation Tanks. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the total slag production exceeds the maximum listed in this specific condition for any twelve consecutive month period. Slag diverted to the Blast Furnace Slag Pits shall not be included in determining total slag production. [State Only].

751 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: 12-month rolling sum
 Slag Mass monitored by technically sound method upon occurrence of event. [State Only].

752 [LAC 33:III.501.C.6]

Which Months: All Year Statistical Basis: None specified
 Slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total slag production for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

GRP0007 Blast Furnace 2 Slag Pits Cap

Group Members: ARE0008 ARE0009 ARE0010

753 [LAC 33:III.501.C.6]

Diverted slag Mass <= 598687.3 tons/yr into the blast furnace slag pits. Noncompliance with this limitation is a reportable violation of the permit. Notify the Office of Environmental Compliance, Enforcement Division if the diverted slag exceeds the maximum listed in this specific condition for any twelve consecutive month period. [State Only].
 Which Months: All Year Statistical Basis: 12-month rolling sum

754 [LAC 33:III.501.C.6]

Diverted slag Mass monitored by technically sound method upon occurrence of event. [State Only].
 Which Months: All Year Statistical Basis: None specified
 Diverted slag Mass recordkeeping by electronic or hard copy upon occurrence of event. Keep records of the total diverted slag each month, as well as the total diverted slag for the last twelve months. Make records available for inspection by DEQ personnel. [State Only].

RLP0013 PCI Mill Vent

756 [40 CFR 60.252(a)(1)]

Particulate matter (10 microns or less) <= 0.070 g/dscm (0.031 gr/dsecf). Subpart Y. [40 CFR 60.252(a)(1)]
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent. Subpart Y. [40 CFR 60.252(a)(2)]
 Which Months: All Year Statistical Basis: None specified
 Temperature monitored by temperature monitoring device continuously. Monitor the temperature of the gas stream at the exit of the thermal dryer. Subpart Y. [40 CFR 60.253(a)(1)]
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
AIR - Title V Regular Permit Initial

RLP0013 PCI Mill Vent

- 759 [40 CFR 60.253(b)] Recalibrate all monitoring devices annually in accordance with procedures in 40 CFR 60.13. Subpart Y. [40 CFR 60.253(b)]
 Use as reference methods and procedures the test methods in 40 CFR 60 Appendix A or other methods and procedures as specified in 40 CFR 60.254 in conducting the performance tests required in 40 CFR 60.8, except as provided in 40 CFR 60.8(b). Subpart Y. [40 CFR 60.254(a)]
 Determine compliance with particular matter standards in 40 CFR 60.252 using the test methods specified in 40 CFR 60.254(b)(1) and (b)(2). Subpart Y. [40 CFR 60.254(b)]
- Total suspended particulate <= 71.51 lb/hr. The rate of emission shall be the total of all emission points from the source.
 Which Months: All Year Statistical Basis: None specified
 Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.
- Which Months: All Year Statistical Basis: Six-minute average
 Particulate matter (10 microns or less) >= 99.0 % removal efficiency from filter manufacturer's certification. Determined as BACT. [LAC 33:III.501.C.6, LAC 33:III.509]
- Which Months: All Year Statistical Basis: None specified
 Baghouses (including gaskets): Equipment/operational data monitored by technically sound method semiannually or whenever visible emission checks indicate maintenance may be necessary. Change elements as necessary.
 Which Months: All Year Statistical Basis: None specified
 Baghouses: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- Filter vents: Visible emissions monitored by visual inspection/determination daily. If visible emissions are observed, restore operation of the filter to its normal or usual manner of operation as expeditiously as practicable, but at a minimum within three working days, in accordance with good air pollution control practices for minimizing emissions.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

RLP0013 PCI Mill Vent

770 [LAC 33:III.507.H.1.a]

771 [LAC 33:III.507.H.1.a]

772 [LAC 33:III.507.H.1.a]

Filter vents: Visible emissions recordkeeping by electronic or hard copy daily. Keep records of visible emission checks on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.

Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.

Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBtu, gr/dscf, lbs SO₂ / ton H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.

RLP0015 Blast Furnace 1 Hot Blast Stoves Common Stack

773 [LAC 33:III.101.B]

Opacity <= 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified

Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average

Scrubber Flow rate >= 1000 gallons/min.

Which Months: All Year Statistical Basis: None specified

Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shutdown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Air - Title V Regular Permit Initial

RLP0015 Blast Furnace 1 Hot Blast Stoves Common Stack

- 777 [LAC 33:III.507.H.1.a] Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III.913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- 778 [LAC 33:III.507.H.1.a] Cyclone vents: Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Perform maintenance as necessary. Which Months: All Year Statistical Basis: None specified
- 779 [LAC 33:III.507.H.1.a] Cyclone vents: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division. Which Months: All Year Statistical Basis: None specified
- 780 [LAC 33:III.507.H.1.a] Scrubber Flow rate monitored by flow rate monitoring device once every four hours. Which Months: All Year Statistical Basis: None specified
- 781 [LAC 33:III.507.H.1.a] Scrubber Flow rate recordkeeping by electronic or hard copy once every four hours. Which Months: All Year Statistical Basis: None specified
- 782 [LAC 33:III.507.H.1.a] Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing. Which Months: All Year Statistical Basis: None specified
- 783 [LAC 33:III.507.H.1.a] Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (lbs/MMBTU, gr/dscf, lbs SO₂ / ton H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity. Which Months: All Year Statistical Basis: None specified
- 784 [LAC 33:III.507.H.1.a] Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division. Which Months: All Year Statistical Basis: None specified
- 785 [LAC 33:III.509] Blast Furnace Top Gas Fuel Sulfur dioxide <= 0.039 gr/dscf. Determined as BACT. BACT for SO₂ emissions from blast furnaces and hot blast stoves is no add-on or combustion control other than the low-sulfur BFG fuel. Which Months: All Year Statistical Basis: None specified
- 786 [LAC 33:III.509] Carbon monoxide <= 0.0824 lb/MMBTU. Determined as BACT. BACT is also selected to be good combustion practices during the operation of the blast furnace. Which Months: All Year Statistical Basis: None specified
- 787 [LAC 33:III.509] Natural Gas Fuel Hydrogen sulfide <= 0.0025 gr/dscf. BACT is to purchase natural gas containing no more than 2500 gr of Sulfur as Hydrogen Sulfide per MM scf. Which Months: All Year Statistical Basis: Twelve-calendar month average
- 788 [LAC 33:III.509] Nitrogen dioxide <= 0.06 lb/MMBTU for total fuel combusted. Determined as BACT. Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AI ID: 157847 - Consolidated Environmental Management Inc - Nucor Steel Louisiana
Activity Number: PER20080001
Permit Number: 2560-00281-V0
Air - Title V Regular Permit Initial

RLP0015 Blast Furnace 1 Hot Blast Stoves Common Stack

Particulate matter (10 microns or less) $\leq 0.002 \text{ gr/dscf}$. Determined as BACT.

Which Months: All Year Statistical Basis: None specified
 VOC, Total $\leq 0.0054 \text{ lb/MMBTU}$. Determined as BACT. BACT is also selected to be good combustion practices during the operation of the hot blast stoves.
 Which Months: All Year Statistical Basis: None specified

RLP0016 Blast Furnace 2 Hot Blast Stoves Common Stack

Opacity ≤ 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: None specified
 Opacity ≤ 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes.

Which Months: All Year Statistical Basis: Six-minute average
 Scrubber Flow rate $\geq 1000 \text{ gallons/min}$.

Which Months: All Year Statistical Basis: None specified
 Conduct a performance/emissions test: Due within 180 days after initial startup (or restart-up after modification), or within 60 days after achieving normal production rate or end of the shakedown period, whichever is earliest. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III:913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Conduct a performance/emissions test: Due within five years, plus or minus 6 months, of when the previous performance test was performed, or within 180 days after the issuance of a permit renewal, whichever comes later. The stack test's purpose is to demonstrate compliance with the emission limits of this permit and therefore must be conducted at greater than 80% of permitted maximum capacity. Test methods and procedures shall be in accordance with New Source Performance Standards, 40 CFR 60, Appendix A, Method 7E - Determination of Nitrogen Oxides Emissions from Stationary Sources; Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources; Method 6C - Determination of Sulfur Dioxide Emissions from Stationary Sources; and Method 5 - Determination of Particulate Matter Emissions from Stationary Sources. Use alternate stack tests methods only with the prior approval of the Office of Environmental Assessment. As required by LAC 33:III:913, provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.

Cyclone vents: Equipment/operational data monitored by technically sound method upon each occurrence of process unit shut down or whenever visible emission checks indicate maintenance may be necessary. Perform maintenance as necessary.
 Which Months: All Year Statistical Basis: None specified

SPECIFIC REQUIREMENTS

AJ ID: 157847 - Consolidated Environmental Management Inc. - Nucor Steel Louisiana
 Activity Number: PER20080001
 Permit Number: 2560-00281-V0
 Alt - Title V Regular Permit Initial

RLP0016 Blast Furnace 2 Hot Blast Stoves Common Stack

- Cyclone vents: Equipment/operational data recordkeeping by electronic or hard copy upon each occurrence of inspection. Keep records of maintenance inspections on site and available for inspection by the Office of Environmental Compliance, Surveillance Division.
- Scrubber Flow rate monitored by flow rate monitoring device once every four hours.
- Which Months: All Year Statistical Basis: None Specified
- Scrubber Flow rate recordkeeping by electronic or hard copy once every four hours.
- Submit notification: Due at least 30 days prior to any LDEQ required performance/emissions test to the Office of Environmental Assessment, to provide the opportunity to conduct a pretest meeting and observe the emission testing.
- Submit report: Due within 60 days after performance/emissions test. Submit emissions test results to the Office of Environmental Assessment. The test results summary shall include any necessary conversion into the units of any applicable Standard. (Ibs/MMBTu, gr/dscf, lbs SO₂ / ton H₂SO₄, Etc.) Plant and in house laboratory data to support production values shall be included. (Example: how many tons of 100% equivalent H₂SO₄ was being produced) Units tested at less than 95% of permitted maximum capacity shall provide documentation to support compliance at 100% of the permitted maximum capacity.
- Submit report: Due annually, by the 31st of March for the preceding calendar year. List the hours that the scrubber operated out of the ranges specified. Submit report to the Office of Environmental Compliance, Enforcement Division.
- Blast Furnace Top Gas Fuel Sulfur dioxide <= 0.039 gr/dscf. Determined as BACT. BACT for SO₂ emissions from blast furnaces and hot blast stoves is no add-on or combustion control other than the low-sulfur BFG fuel.
- Which Months: All Year Statistical Basis: None Specified
- Carbon monoxide <= 0.0824 lb/MMBTU. Determined as BACT. BACT is also selected to be good combustion practices during the operation of the blast furnace.
- Which Months: All Year Statistical Basis: None Specified
- Natural Gas Fuel Hydrogen sulfide <= 0.0025 gr/dscf. BACT is to purchase natural gas containing no more than 2500 gr of Sulfur as Hydrogen Sulfide per MM scf.
- Which Months: All Year Statistical Basis: Twelve-calendar month average
- Nitrogen dioxide <= 0.06 lb/MMBTU for total fuel combusted. Determined as BACT.
- Which Months: All Year Statistical Basis: None Specified
- Particulate matter (10 microns or less) <= 0.002 gr/dscf. Determined as BACT.
- Which Months: All Year Statistical Basis: None Specified
- VOC, Total <= 0.0054 lb/MMBTU. Determined as BACT. BACT is also selected to be good combustion practices during the operation of the hot blast stoves.
- Which Months: All Year Statistical Basis: None Specified
- All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A.
- All affected facilities shall comply with all applicable provisions in 40 CFR 63 Subpart A as delineated in Table 1 of 40 CFR 63 Subpart CCCCCC and as delineated in Table 4 of 40 CFR 63 Subpart FFFFFF.

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- 809 [40 CFR 60.]
- 810 [40 CFR 63.]

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811 [40 CFR 70.5(a)(1)(iii)]

812 [40 CFR 70.6(a)(3)(iii)(A)]

Submit Title V permit application for renewal: Due 6 months before permit expiration date. [40 CFR 70.5(a)(1)(iii)]
 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]

813 [40 CFR 70.6(a)(3)(iii)(B)]

Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. [40 CFR 70.6(a)(3)(iii)(B)]

814 [40 CFR 70.6(c)(5)(iv)]

Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]
 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited.

815 [LAC 33:III.1103]

Outdoor burning of waste material or other combustible material is prohibited.
 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensity an existing traffic hazard condition are prohibited.

816-[LAC 33:III.1109.B]-

Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance.
 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited.

817 [LAC 33:III.1303.B]

If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G.

818 [LAC 33:III.219]

Submit a CAM plan for each affected source which does not have CAM requirements applied within this permit. The submittal shall be in the form of a minor modification and shall be submitted within 180 days prior to startup of the affected sources.

819 [LAC 33:III.2901.D]

Alternate Operating Scenario: Operating plan recordkeeping by logbook upon each occurrence of making a change from one operating scenario to another. Record the operating scenario under which the facility is currently operating. Include in this record the identity of the sources involved, the permit number under which the scenario is included, and the date of change. Keep a copy of the log on site for at least two years. Comply with the requirements of PSD-LA-740. This permit includes provisions of the Prevention of Significant Deterioration (PSD) review from Permit PSD-LA-740.

820 [LAC 33:III.2901.F]

821 [LAC 33:III.501.C.6]

822 [LAC 33:III.507.G.5]

823 [LAC 33:III.509]

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- 824 [LAC 33.III.5105.A.1]
 Do not construct or modify any stationary source subject to any standard set forth in LAC 33.III.Chapter 51.Subchapter A without first obtaining written authorization from DEQ in accordance with LAC 33.III.Chapter 51.Subchapter A, after the effective date of the standard.
- 825 [LAC 33.III.5105.A.2]
 Do not cause a violation of any ambient air standard listed in LAC 33.III.Table 51.2, unless operating in accordance with LAC 33.III.5109.B.
- 826 [LAC 33.III.5105.A.3]
 Do not build, erect, install, or use any article, machine, equipment, process, or method, the use of which conceals an emission that would otherwise constitute a violation of an applicable standard.
- 827 [LAC 33.III.5105.A.4]
 Do not fail to keep records, notify, report or revise reports as required under LAC 33.III.Chapter 51.Subchapter A.
- 828 [LAC 33.III.5107.A.2]
 Include a certification statement with the annual emission report and revisions to any emission report that attests that the information contained in the emission report is true, accurate, and complete, and that is signed by a responsible official, as defined in LAC 33.III.502. Include the full name of the responsible official, title, signature, date of signature and phone number of the responsible official.
- 829 [LAC 33.III.5107.A]
 Submit Annual Emissions Report (TED): Due annually, by the 31st of March unless otherwise directed by DEQ, to the Office of Environmental Assessment in a format specified by DEQ. Identify the quantity of emissions in the previous calendar year for any toxic air pollutant listed in Table 51.1 or Table 51.3.
- 830 [LAC 33.III.5107.B.1]
 Submit notification: Due to the Department of Public Safety 24-hour Louisiana Emergency Hazardous Materials Hotline at (225) 925-6595 immediately, but in no case later than 1 hour, after any discharge of a toxic air pollutant into the atmosphere that results or threatens to result in an emergency condition (a condition which could reasonably be expected to endanger the health and safety of the public, cause significant adverse impact to the land, water or air environment, or cause severe damage to property).
- 831 [LAC 33.III.5107.B.2]
 Submit notification: Due to SPOC, except as provided in LAC 33.III.5107.B.6, no later than 24 hours after the beginning of any unauthorized discharge into the atmosphere of a toxic air pollutant as a result of bypassing an emission control device, when the emission control bypass was not the result of an upset, and the quantity of the unauthorized bypass is greater than or equal to the lower of the Minimum Emission Rate (MER) in LAC 33.III.5112, Table 51.1, or a reportable quantity (RQ) in LAC 33.I.3931, or the quantity of the unauthorized bypass is greater than one pound and there is no MER or RQ for the substance in question. Submit notification in the manner provided in LAC 33.I.3923.
- 832 [LAC 33.III.5107.B.3]
 Submit notification: Due to SPOC, except as provided in LAC 33.III.5107.B.6, immediately, but in no case later than 24 hours after any unauthorized discharge of a toxic air pollutant into the atmosphere that does not cause an emergency condition, the rate or quantity of which is in excess of that allowed by permit, compliance schedule, or variance, or for upset events that exceed the reportable quantity in LAC 33.I.3931.
- 833 [LAC 33.III.5107.B.4]
 Submit written report: Due by certified mail to SPOC within seven calendar days of learning of any such discharge or equipment bypass as referred to in LAC 33.III.5107.B.1 through B.3. Include the information specified in LAC 33.III.5107.B.4.a.i through B.4.a.viii.
- 834 [LAC 33.III.5107.B.5]
 Report all discharges to the atmosphere of a toxic air pollutant from a safety relief device, a line or vessel rupture, a sudden equipment failure, or a bypass of an emission control device, regardless of quantity, IF THEY CAN BE MEASURED AND CAN BE RELIABLY QUANTIFIED USING GOOD ENGINEERING PRACTICES, to DEQ along with the annual emissions report and where otherwise specified. Include the identity of the source, the date and time of the discharge, and the approximate total loss during the discharge.
- 835 [LAC 33.III.5113.A.1]
 Submit notification in writing: Due to SPOC not more than 60 days nor less than 30 days prior to initial start-up. Submit the anticipated date of the initial start-up.
- 836 [LAC 33.III.5113.A.2]
 Submit notification in writing: Due to SPOC within 10 working days after the actual date of initial start-up of the source. Submit the actual date of initial start-up of the source.

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- 837 [LAC 33:III.5609.A.1.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert.
- 838 [LAC 33:III.5609.A.2.b] Activate the preplanned strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning.
- 839 [LAC 33:III.5609.A.3.b] Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency.
- 840 [LAC 33:III.5609.A] Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency.
- 841 [LAC 33:III.5901.A] Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7.
- 842 [LAC 33:III.5907] Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901.
- 843 [LAC 33:III.5911.A] Identify hazards that may result from accidental releases of the substances listed in 40 CFR 68.130, Table 59.0 of LAC 33:III.5907, or Table 59.1 of LAC 33:III.5913 using appropriate hazard assessment techniques, design and maintain a safe facility, and minimize the off-site consequences of accidental releases of such substances that do occur.
- 844 [LAC 33:III.5911.C] Submit registration: Due January 31, 1998, or within 60 days after the source becomes subject to LAC 33:III.Chapter 59, whichever is later.
- 845 [LAC 33:III.919.D] Include the information listed in LAC 33:III.5911.B, and submit to the Office of Environmental Compliance.
- 846 [LAC 33:III.5911.D] Submit amended registration: Due to the Office of Environmental Compliance within 60 days after the information in the submitted registration is no longer accurate.
- 847 [LAC 33:III.919.D] Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment.
- 848 [LAC 33:III.919.A-D] Include all data applicable to the emissions source(s); as specified in LAC 33:III.919.A-D.